

TITLE 5. COMMUNITY AFFAIRS
CHAPTER 23. UNIFORM CONSTRUCTION CODE
SUBCHAPTER 3. SUBCODES

N.J.A.C. 5:23-3

§ 5:23-3.1 Title; scope; intent

(a) This section of the regulations, adopted pursuant to authority of the State Uniform Construction Code Act and entitled "Subcodes," shall be known and may be cited throughout the regulations as "N.J.A.C. 5:23-3," and when referred to in this subchapter may be cited as "this subchapter."

(b) When used alone, the term "subchapter," "section," and so forth, refers to that portion of the regulations. When used in conjunction with the term "building subcode," "plumbing subcode" or "electrical subcode," and so forth, the term "article" or "section," and so forth, refers to that subcode.

(c) This subchapter shall control matters relating to:

1. The adoption of subcodes of the Uniform Construction Code.
2. Modifications to the subcodes adopted.
3. The organization of enforcement responsibilities.
4. The use of standards of accepted practice.
5. Approvals and interrelations.
6. The division of plan review responsibilities and State reserved activities; and
7. Procedures for adoption of future subcode amendments.

(d) This subchapter provides a uniform system of construction standards throughout the State through the adoption of model codes applicable throughout the State. Modifications made to the subcodes are for the purpose of providing a uniform, harmonious system of construction code interface and administration, and to resolve conflicts with preempting Federal and State legislation.

(e) Provisions concerning underground storage tanks, jointly enforced by the Department of Environmental Protection (DEP), are in *N.J.A.C. 5:23-3.11B* and in the DEP's rules at *N.J.A.C. 7:14B*.

§ 5:23-3.2 Matters covered; exceptions

(a) Except as is otherwise provided in (b), (c) and (d) below, the provisions of this subchapter shall apply uniformly throughout the State. Any standards other than those provided herein are void and of no effect.

(b) Rules concerning exceptions in health care facilities are as follows:

1. Construction or rehabilitation of health care facilities shall be in accordance with this code and with the "Guidelines for Construction and Equipment of Hospital and Medical Facilities" (American Institute of Architects Committee on Architecture for Health), 1996-1997 edition or current edition. In the event of any conflict, the more restrictive code provision shall govern.

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2. The Department of Health may adopt licensing standards for the physical plant and environment of health care facilities that supplement this code and the "Guidelines for Construction and Equipment of Hospital and Medical Facilities," although these standards may not be in conflict with these codes.

3. The publication "Guidelines for Construction and Equipment of Hospital and Medical Facilities" is available from The American Institute of Architects Press, 1735 New York Ave., N.W., Washington, D.C. 20006.

(c) Individual on-site water supply and sewage disposal systems shall be in accordance with *N.J.S.A. 58:11-23 et seq.*, and *N.J.A.C. 7:10-3.1 et seq.* and *N.J.A.C. 7:9-2.1 et seq.*

(d) Rules concerning commercial farm buildings are as follows:

1. A commercial farm building means any building located on a commercial farm which produces not less than \$ 2,500 worth of agricultural or horticultural products annually which building's main use or intended use is related to the production of agricultural or horticultural products produced on that farm.

2. Buildings constructed in accordance with the provisions of this section and meeting the requirements of (d)1 above shall be classified as commercial farm buildings. For those provisions not covered by this section, commercial farm buildings shall comply with the construction code provisions applicable to Group S-2. Commercial farm buildings shall include, but not be limited to, the following: stall barns, milking parlors, poultry houses, horse arenas, packing houses for agricultural or horticultural commodities, farrowing houses, greenhouses, and buildings used for the storage of agricultural or horticultural products, farm machinery and farm equipment, or farm materials and supplies that are produced or used on the farm.

3. Pre-engineered grain bins, manure handling equipment and impoundments used on a farm for the storage of agricultural commodities or by-products which are produced by or used on the farm shall not require a construction permit. However, all on-site construction work such as foundations and plumbing and electrical connections shall be subject to all requirements and inspections of any applicable subcode(s).

4. A temporary greenhouse, also called a "hoophouse" or "polyhouse," used exclusively for the production and storage of live plants, shall be exempt from the permit requirements of the Uniform Construction Code if it meets all the criteria of (d)4i through iv below:

- i. There is no permanent anchoring system or foundation;
- ii. There is no storage, temporary or otherwise, of solvents, fertilizers, gases, or other chemical or flammable materials;
- iii. The structure is no wider than 31 feet and there is an unobstructed path of no greater length than 150 feet from any point to a door or fully accessible wall area, the covering of which is a material no greater than six mils (152.4 micrometers) in thickness that yields approximately four pounds of maximum impact resistance to provide egress through the wall; and
- iv. The covering of the structure is of a material that conforms to NFPA 701.

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v. If a temporary greenhouse contains any device subject to the electrical subcode or any mechanical equipment subject to the mechanical subcode, a permit shall be required for the device, system or fixture only. If the temporary greenhouse is connected to a potable water system, a permit shall be required for the backflow prevention devices only.

5. A three-sided turn-out shed used to shelter livestock shall be exempt from the permit requirements of the Uniform Construction Code provided there is no permanent foundation or floor and provided the structure is 250 square feet or less in area and 14 feet or less in height and has no utility (water, gas, oil, sewer or electric) connections.

i. The structure shall be of sufficient weight to remain in place or shall be anchored to the ground. Concrete shall not be required for anchoring.

6. Garden-type utility sheds and similar structures shall be exempt from the permit requirements of the Uniform Construction Code provided the structure is 200 square feet or less in area, 10 feet or less in height, has no utility (water, gas, oil, sewer or electric) connections and the shed is dimensionally stable without the foundation system. A shed shall be considered dimensionally stable if it is provided with a floor system that is tied to the walls of the structure such that it reacts to loads as a unit.

i. The structure shall be of sufficient weight to remain in place or shall be anchored to the ground. Concrete shall not be required for anchoring.

7. The type and amount of materials or supplies stored in a commercial farm building, including hay, straw, and livestock bedding materials, shall not be subject to limitation. However, other hazardous materials within spaces of commercial farm buildings occupied by more than 10 persons shall not exceed the allowable exempt amounts shown in Tables 307.1(1) and 307.1(2) of the building subcode unless separated from the occupied area by appropriate fire resistance rated construction as prescribed in the building subcode.

8. A commercial farm building may be used as a place of public assembly for not more than 15 days in a calendar year. For the purposes of enforcing this requirement, a public assembly shall be a gathering of 50 or more people. A permit shall be obtained from the local fire official pursuant to the Uniform Fire Safety Act, *N.J.S.A. 52:27D-192 et seq.*, and the fee for issuing the permit shall not exceed \$ 75.00 per event.

i. A commercial farm building that is used as a place of public assembly for not more than 15 days in a calendar year and that is provided with electricity shall comply with section 1006 of the building subcode.

ii. The use of a commercial farm building as a "special amusement building," as defined in the building subcode, shall be permitted only if a permit specific to special amusement buildings is issued by the local fire official pursuant to the Uniform Fire Safety Act, *N.J.S.A. 52:27D-192 et seq.* or if the building or portion thereof complies with *N.J.A.C. 5:23-6.31(a)5vii*.

9. Buildings containing any of the following uses are not included in the definition of a commercial farm building:

i. Residential structures;

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ii. High hazard facilities, such as grain elevators or grain storage silos used to store products which are neither used nor produced on the farm itself;

iii. Processing facilities that include specialized machinery to perform functions other than the washing, cleaning, hydrocooling, vacuum cooling, grading, sizing and packing of agricultural or horticultural products, unless the exempted functions are only the first step in a sequence of processing to be performed on the farm;

iv. Mercantile structures, such as farm retail markets or nursery greenhouse retail sales areas;

v. Offices with either 11 or more occupants, or floor area of greater than 1,200 square feet; and

vi. Buildings that contain any use not included in the definition of commercial farm building, except incidental offices as provided in (d)12vii below.

10. A commercial farm building may include a use that does not meet the definition of a "commercial farm building," provided that the space that does not meet the commercial farm building definition is separate from the remainder of the building with the required fire separation assemblies and meets all applicable requirements of the building subcode.

11. Construction type, height and allowable area requirements for commercial farm buildings and structures shall be as specified in the building subcode and shall not exceed the area or height limitations of Table 503 for the type of construction used, except as follows:

i. The height and area of a one-story commercial farm building of any type of construction shall not be limited if the building has a fire separation distance of 50 feet. In that case, a sprinkler system shall not be required.

ii. The height and area of a two-story commercial farm building of any type of construction shall not be limited if the building is provided with an approved automatic fire suppression system throughout, conforming to the Uniform Construction Code and has a fire separation distance of 50 feet.

iii. Two or more commercial farm buildings excepted under (d)11i and ii above may be constructed on the same lot, or on an owner's contiguous lots without meeting the fire separation distance of 50 feet. However, the fire separation distance specified in Table 602 of the building subcode must be maintained between a commercial farm building and any building not eligible for the commercial farm building exemption.

12. Commercial farm buildings exempted under (d)11i above shall meet the following requirements in lieu of those requirements specified in the subsections of Chapter 10, Means of Egress, of the building subcode:

i. In lieu of the requirements of Section 1016, the maximum distance of travel from any point in the building to an exit shall not exceed 150 feet;

ii. In lieu of the requirements of Sections 1019.1 and 1019.2, one exit is required for each 15,000 square feet of floor area and fraction thereof;

iii. In lieu of the requirements of Section 1011, exit signs must be posted. Exit signs are not required to be illuminated;

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iv. The provisions of Section 1006 shall apply in commercial farm buildings where the owner has determined to provide electricity. Where electricity is provided, any electric light provided in the commercial farm building shall be deemed to meet the means of egress lighting requirements and a back up power source shall not be required unless the commercial farm building will be used as a place of public assembly in accordance with (d)6 above.

v. In lieu of the requirements of Section 1004, occupancy is limited to 30 people;

vi. Lightning protection of the type required for the structure by NFPA 780, fire extinguishers and "no smoking" signs shall be provided;

vii. Offices with 10 or fewer occupants and a floor area not in excess of 1,200 square feet shall be considered incidental to the structure, if direct exit to the exterior is provided.

13. Site plans signed and sealed by a registered architect or a licensed engineer, pursuant to *N.J.A.C. 5:23-2.15(f)*ix, shall not be required, provided that a sketch plan of the site is submitted to the construction official.

§ 5:23-3.3 Enforcement

(a) In accordance with the delineation of responsibility for enforcement specified herein, subject to specific reservations by the Department to itself, the appropriate official(s) shall enforce the subcode and shall act on any question relative to the mode or manner of construction, and the materials to be used in the erection, addition to, repair, renovation, alteration, reconstruction, removal, demolition, installation of service equipment, and the location, use and occupancy of all buildings and structures, except as may be otherwise specifically provided for in the regulations, including, but not limited to:

1. Applications, certificates and permits: Such official(s) shall review applications for permits for the erection, repair (other than ordinary maintenance), renovation, alteration and reconstruction of buildings and structures; indicate approval or denial to the construction official; and inspect the premises for which such permits have been issued and enforce compliance with the provisions of the regulations.

2. Notices and orders: Such official(s) shall issue all necessary notices or orders to remove illegal or unsafe conditions; to require the necessary safeguards during construction; and to insure compliance with all requirements for the safety, health and general welfare of the public.

3. Inspections: Such official(s) shall make all the required inspections, and all reports of such inspections shall be in writing and certified by them or they may engage such expert opinion as he may deem necessary to report upon unusual technical issues that may arise, subject to the approval of the construction official and appointing authority.

4. Enforcing agency records: Such official(s) shall assist in the keeping of official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued as may be required by the construction official.

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§ 5:23-3.4 Responsibilities

(a) The enforcement responsibilities of the adopted subcodes are as follows:

1. Building Subcode:

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 3	Use and Occupancy Classification	Building/Fire	Building
Ch. 4	Special Detailed Requirements Based on Use and Occupancy		
	401-402.7	Building/Fire	Building
	402.8-402.9	Building/Fire	Fire
	402.10-402.11	Building/Fire	Building
	402.12-402.13	Fire/Electrical	Fire
	402.14	Building/Fire	Building
	402.15	Building/Fire	Fire
	403.1	Building/Fire	Building
	403.2	Building/Fire	Fire
	403.3	Building/Fire	Building
	403.4	Building/Fire	Building
	403.5	Building/Fire	Fire
	403.6	Fire/Electrical	Fire
	403.7-403.8	Building/Fire	Fire
	403.9	Elevator	Elevator
	403.10	Fire/Electrical	Fire
	403.10.1	Building/Fire/Electrical	Electrical Article 700 (<u>except</u> rated enclosures, which are Building)
	403.10.2	Fire/Electrical	Electrical (<u>except</u> ventilation and automatic fire detection equipment for smokeproof entrances which is Fire)
	403.11	Building/Electrical	Electrical
	403.12	Building/Fire	Fire
	403.13	Building/Fire	Building
	403.14	Building	Building
	404.1-404.2	Building/Fire	Building
	404.3-404.4	Building/Fire	Fire
	404.5	Building/Fire	Building
	404.6	Fire/Electrical	Fire
	404.7-404.8	Building/Fire	Building
	405.1	Building/Fire	Fire
	405.2	Building/Fire	Building
	405.3	Building/Fire	Fire
	405.4	Building/Fire	Building
	405.5-405.6	Building/Fire	Fire
	405.7	Fire/Electrical	Fire
	405.8	Building/Fire	Building
	405.9	Building/Fire/Electrical	Electrical Article 700 (<u>except</u> rated enclosures, which are Building)
	405.10	Fire/Electrical	Fire
	405.11	Building/Fire	Fire
	406.1.1-406.1.2	Building/Fire	Building
	406.1.3-406.2.6	Building	Building
	406.2.7-406.2.8	Building/Fire	Building
	406.2.9	Building	Building
	406.3-406.3.8	Building/Fire	Building
	406.3.9-406.3.10	Building/Fire	Fire
	406.3.11-406.6.4	Building/Fire	Building
	406.6.5	Building/Fire/Electrical	Building

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	406.6.6	Building/Fire/Electrical	Fire
	407.1-407.4.2	Building/Fire	Building
	407.5-407.6	Building/Fire	Fire
	407.7	Building/Fire	Building
	408-410.5.4	Building/Fire	Building
	410.6-410.7	Building/Fire	Fire
	411.1-411.2	Building/Fire	Building
	411.3-411.6	Building/Fire	Fire
	411.7-412.1.3	Building/Fire	Building
	412.1.4	Building/Fire	Fire
	412.1.5	Fire/Electrical	Fire
	412.1.6-412.2.3	Building	Building
	412.2.4	Building/Fire	Building
	412.2.5	Building	Building
	412.2.6	Building/Fire	Fire
	412.3.1	Building	Building
	412.3.2-412.3.3	Building/Fire	Building
	412.3.4	Building/Fire	Fire
	412.3.5-412.4.4	Building/Fire	Building
	412.4.5	Building/Fire	Fire
	412.4.6	Building/Fire	Building
	412.5	Building	Building
	413.1-413.2	Building/Fire	Building
	414.1-414.5.3	Building/Fire	Fire
	414.5.4	Fire/Electrical	Fire
	414.5.5	Building/Fire	Fire
	414.6	Building/Fire	Fire
	414.6.1	Building/Fire	Building
	414.7	Building/Fire	Fire
	415.1-415.6.1.6	Building/Fire	Building
	415.6.2-415.6.3.2	Building/Fire	Fire
	415.6.3.3-415.8.1	Building/Fire	Building
	415.8.2.1	Building/Fire	Fire
	415.8.2.2-415.8.2.7	Building/Fire	Building
	415.8.2.8-415.8.2.8.1	Fire/Electrical	Fire
	415.8.2.8.2-415.8.4.5	Building/Fire	Building
	415.8.4.6.1-415.8.5.1	Building/Fire	Fire
	415.8.5.2-415.8.5.3	Building/Fire	Building
	415.8.5.4	Building/Fire	Fire
	415.8.5.5-415.8.5.7	Building/Fire	Building
	415.8.5.8	Building/Fire	Fire
	415.8.5.9-415.8.6.2.2	Building/Fire	Building
	415.8.6.2.3	Building/Fire	Fire
	415.8.6.3-415.8.6.4	Building/Fire	Building
	415.8.7-415.8.11.4	Building/Fire	Fire
	416.1-416.3.1	Building/Fire	Building
	416.4	Building/Fire	Fire
	417	Building	Building
	418	Building/Fire	Building
Ch. 5	General Building Heights and Areas	Building/Fire	Building
Ch. 6	Types of Construction	Building/Fire	Building
Ch. 7	Fire-Resistance-Rated Construction	Building/Fire	Building

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Ch. 8	Interior Finishes	Building/Fire	Building
Ch. 9	Fire Protection Systems	Fire (except 909.12.1 and 910.4.4)	Fire (except 909.12.1 and 910.4.4)
	909.12.1 and 910.4.4	Fire/Electric	Fire/Electric
Ch. 10	Means of Egress	Building/Fire	Building
Ch. 12	Interior Environment	Building	Building
Ch. 14	Exterior Walls	Building	Building
Ch. 15	Roof Assemblies and Rooftop Structures	Building	Building
Ch. 16	Structural Design	Building	Building
Ch. 17	Structural Tests and Special Inspections	Building	Building
Ch. 18	Soil and Foundations	Building	Building
Ch. 19	Concrete	Building	Building
Ch. 20	Aluminum	Building	Building
Ch. 21	Masonry		
	2101-2110	Building	Building
	2111-2113	Building/Fire	Building
Ch. 22	Steel	Building	Building
Ch. 23	Wood	Building	Building
Ch. 24	Glass and Glazing	Building	Building
Ch. 25	Gypsum Board and Plaster	Building	Building
Ch. 26	Plastic		
	2601-2602	Building	Building
	2603	Building/Fire	Building
	2604	Building	Building
	2605-2607	Building/Fire	Building
	2608-2611	Building	Building
Ch. 28	Mechanical Systems	Building	Building
Ch. 30	Elevators and Conveying Systems		
	3001.1-3001.2	Building/Elevator	Elevator
	3001.3	Building/Fire/Elevator	Elevator
	3001.4	Building/Elevator	Elevator
	3002.1	Building/Fire/Elevator	Building
	3002.2	Building/Fire/Elevator	Elevator
	3002.3	Building/Elevator	Elevator
	3002.4	Building/Fire/Elevator	Elevator
	3002.5-3002.7	Building/Fire/Elevator	Elevator
	3003.1	Building/Electrical/ Elevator	Elevator
	3003.2	Building/Fire/Elevator	Elevator
	3004.1-3004.3	Building/Fire/Elevator	Building
	3004.4	Building/Elevator	Elevator
	3005.1-3005.2	Building/Fire/Elevator	Elevator
	3005.2.1-3005.2.2	Building/Fire/Elevator	Building
	3005.3-3005.4	Building/Fire	Building
	3006.1-3006.4	Building/Fire/Elevator	Building
	3006.5	Fire/Electrical/Elevator	Elevator
	3006.6	Building/Elevator	Elevator
Ch. 31	Special Construction		
	3101-3103.4	Building	Building
	3104.1-3104.10	Building/Fire	Building
	3105-3109.4	Building	Building
	3110	Building	Building

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 32	Encroachments into the Public-Right-of-Way	Building	Building
Ch. 33	Safeguards during Construction		
	3301-3308	Building	Building
	3309	Building/Fire	Fire
	3310	Building	Building
	3311-3312	Building/Fire	Fire

2. Plumbing Subcode:

Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 1	Definitions	Plumbing	Plumbing
Ch. 2	General Regulations	Plumbing	Plumbing
Ch. 3	Materials	Plumbing	Plumbing
Ch. 4	Joints and Connections	Plumbing	Plumbing
Ch. 5	Traps, Cleanouts and Backwater Valves	Plumbing	Plumbing
Ch. 6	Interceptors	Plumbing	Plumbing
Ch. 7	Plumbing Fixtures, Fixture Fittings and Plumbing Appliances	Plumbing	Plumbing
Ch. 8	Hangers and Supports	Plumbing	Plumbing
Ch. 9	Indirect Waste Piping and Special Wastes	Plumbing	Plumbing
Ch. 10	Water Supply and Distribution	Plumbing	Plumbing
Ch. 11	Sanitary Drainage Systems	Plumbing	Plumbing
Ch. 12	Vents and Venting	Plumbing	Plumbing
Ch. 13	Storm Water Drainage	Plumbing	Plumbing
Ch. 14	Special Requirements for Health Care Facilities	Plumbing	Plumbing
Ch. 15	Tests and Maintenance	Plumbing	Plumbing
Ch. 16	Regulations Governing Individual Sewage Disposal Systems for Homes and Other Establishments Where Public Sewage Systems Are Not Available.	Plumbing	Plumbing
Ch. 18	Mobile Home & Travel Trailer Park Plumbing Standards	Plumbing	Plumbing
Ap. B	Sizing the Building Water Supply System	Plumbing	Plumbing
Ap. C	Conversions: Customary Units to Metric	Plumbing	Plumbing
Ap. D	Determining the Minimum Number of Required Plumbing Fixtures	Plumbing	Plumbing
Ap. E	Special Design Plumbing Systems	Plumbing	Plumbing
Ap. F	Requirements of the Administrative Authority	Plumbing	Plumbing
Ap. G	Graywater Recycling Systems	Plumbing	Plumbing
Ap. H	Installation of Medical Gas and Vacuum Piping Systems	Plumbing	Plumbing
Ap. I	Fixture Unit Value Curves for Water Closets	Plumbing	Plumbing
Ap. J	Sizing Grease Interceptors	Plumbing	Plumbing
Ap. K	Flow in Sloping Drains	Plumbing	Plumbing
Ap. L	An Acceptable Brazing Procedure for General Plumbing	Plumbing	Plumbing

3. Electrical Subcode:

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspections
Article 90	Introduction	Electrical	Electrical
Ch. 1	General	Electrical	Electrical
Ch. 2	Wiring and Protection		
	200.1-250.50	Electrical	Electrical
	250.52(A)1-2	Electrical	Electrical
	250.52(A)3	Electrical/Building	Building
	250.52(A)4-7	Electrical	Electrical

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspections
	250.52(B)-250.102(E)	Electrical	Electrical
	250.104(A)(1)	Electrical	Electrical (except gas water heater replacements) Plumbing (gas water heater replacements only)
	250.104(A)(2)-285.25	Electrical	Electrical
Ch. 3	Wiring Methods and Materials		
	300.1 to 300.20	Electrical	Electrical
	300.21	Electrical/Fire	Electrical
	300.22 to 384	Electrical	Electrical
Ch. 4	Equipment for General Use		
	400-450.28	Electrical	Electrical
	450.41-450.48	Electrical/Fire	Electrical
	455-490	Electrical	Electrical
Ch. 5	Special Occupancies	Electrical/Fire	Electrical
Ch. 6	Special Equipment		
	600-610	Electrical	Electrical
	620.1-620.12	Electrical/Elevator ¹	Elevator/Electrical ³
	620.13	Electrical/Elevator ¹	Electrical ² (on the line side of the disconnect) Elevator ² (on the load side of the disconnect) Electrical ³
	620.14-620.21	Electrical/Elevator ¹	Elevator/Electrical ³
	620.22	Electrical/Elevator ¹	Electrical ² (on the line side of the disconnect) Elevator ² (on the load side of the disconnect) Electrical ³
	620.23-620.24	Electrical/Elevator ¹	Electrical
	620.25-620.37	Electrical/Elevator ¹	Elevator/Electrical ³
	620.38	Electrical/Elevator ¹	Electrical
	620.41-620.44	Electrical/Elevator ¹	Elevator/Electrical ³
	620.51-620.51(a)	Electrical/Elevator ¹	Electrical
	620.51(b)-(d)	Electrical/Elevator ¹	Elevator/Electrical ³
	620.52	Electrical/Elevator ¹	Elevator/Electrical ³
	620.53-620.55	Electrical/Elevator ¹	Electrical ² (on the line side of the disconnect) Elevator ² (on the load side of the disconnect) Electrical ³
	620.61(a)-(b)	Electrical/Elevator ¹	Elevator/Electrical ³
	620.61(c)-(d)	Electrical/Elevator ¹	Electrical ² (on the line side of the disconnect) Elevator ² (on the load side of the disconnect) Electrical ³
	620.62-620.84	Electrical/Elevator ¹	Elevator/Electrical ³
	620.85 (except for cartop receptacle(s))	Electrical/Elevator ¹	Elevator/Electrical ² (car top receptacle only)
	620.91(a) and (c)	Electrical/Elevator ¹	Elevator/Electrical ³

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspections
	620.91(b)	Electrical/Elevator ¹	Electrical
	625-692	Electrical	Electrical
	695	Electrical/Fire	Electrical
Ch. 7	Special Conditions		
	700-727	Electrical	Electrical
	760	Electrical/Fire	Electrical
	770-780	Electrical	Electrical
Ch. 8	Communication Systems	Electrical	Electrical
Ch. 9	Tables	Electrical	Electrical
	N.J.A.C. 5:23-3.16(c) Automatic Rain Sensor Device	Electrical	Electrical
Note 1: Joint with Elevator Subcode Official for N.J.A.C. 5:23-12 devices not installed in Group R-3, R-4, or R-5 or in structures of Group R-2 in which the elevator devices are wholly within dwelling units and are not accessible to the general public.			
Note 2: The following sections are enforced by the Electrical inspector when devices covered by N.J.A.C. 5:23-12 are installed in any building excluding installations in R-3, R-4, or R-5 or in structures of Group R-2 where the elevator devices are located wholly within dwelling units and are not accessible to the general public.			
Note 3: Inspection responsibility for this section shall be the electrical inspector when devices are installed in buildings of Group R-3, R-4 or Group R-5 or in buildings of Group R-2 where the elevator devices are located wholly within dwelling units and are not accessible to the general public.			

4. Energy Subcode:

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International Energy Conservation Code

Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 1	Administration and Enforcement	Building/Plumbing/Electrical (as applicable)	Building/Plumbing/Electrical (as applicable)
Ch. 3	Climate Zones	Building	Building
Ch. 4	Residential Energy Efficiency		
	401	Building	Building
	402 (except 402.4.3)	Building	Building
	402.4.3	Electrical	Electrical
	403.1	Electrical	Electrical
	403.2	Building	Building
	403.3	Plumbing	Plumbing
	403.4 — Pipe insulation and pump with integrated switch	Plumbing	Plumbing
	403.4 — Pump with non-integrated switch	Electrical	Electrical
	403.5	Building	Building
	403.6	Plumbing	Plumbing
	404	Building/Plumbing/Electrical (as applicable)	Building/Plumbing/Electrical (as applicable)

ASHRAE Standard 90.1

Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 4	Administration and Enforcement	Building/Plumbing/Electrical (as applicable)	Building/Plumbing/Electrical (as applicable)
Ch. 5	Building Envelope	Building	Building
Ch. 6	Heating, Ventilating, and Air Conditioning	Building/Plumbing/Electrical (as applicable)	Building/Plumbing/Electrical (as applicable)
	6.1-6.2.4.4	Building (as applicable)	Building (as applicable)
	6.2.4.5	Plumbing	Plumbing

Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	6.2.5-6.3.2.1	Building (as applicable)	Building (as applicable)
	6.3.2.2	Plumbing	Plumbing
	6.3.2.3-6.3.9	Building (as applicable)	Building (as applicable)
Ch. 7	Service Water Heating	Plumbing/Electrical (as applicable)	Plumbing/Electrical (as applicable)
Ch. 8	Power	Electrical (as applicable)	Electrical (as applicable)
Ch. 9	Lighting	Electrical	Electrical
Ch. 10	Other Equipment	Electrical	Electrical
Ch. 11	Energy Cost Budget Method	Building/Plumbing/Electrical (as applicable)	Building/Plumbing/Electrical (as applicable)

5. Mechanical Subcode:

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 3	General Regulations		
	301	Building/Fire	Building
	302	Building	Building
	303	Fire	Fire
	304	Fire	Fire
	305	Plumbing	Plumbing
	306	Fire	Fire
	307	Plumbing	Plumbing
	308	Building/Fire	Fire
	310	Building/Fire	Fire
	311	Building/Fire	Fire
	312	Building	Building
Ch. 4	Ventilation		
Ch. 5	Exhaust Systems		
	501	Building	Building
	502	Building/Fire	Building
	503	Building/Fire	Fire
	504	Building/Fire	Building
	505	Building/Fire	Fire
	506	Building/Fire	Fire
	507	Building/Fire	Fire
	508	Building/Fire	Fire
	509	Building/Fire	Fire
	510	Building/Fire	Building
	511	Building/Fire	Building
	512	Building	Building
	513	Building/Fire	Fire
	514	Building	Building
Ch. 6	Duct Systems		
	601-605	Building/Fire	Building
	606	Building/Fire	Fire
	607	Building/Fire	Building
Ch. 7	Combustion Air	Fire	Fire
Ch. 8	Chimneys and Vents	Building/Fire	Fire (except 801.3)
	801.3	Building/Fire	Building
Ch. 9	Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment	Building/Fire (except 908.5, 908.6, 908.7 and 926)	Building (except 908.5, 908.6, 908.7 and 926)
	908.5	Plumbing	Plumbing
	908.6	Plumbing	Plumbing
	908.7	Plumbing/Fire	Plumbing

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	926	Building/Fire	Fire
Ch. 10	Boilers, Water Heaters and Pressure Vessels	Plumbing	Plumbing
Ch. 11	Refrigeration	Plumbing	Plumbing
Ch. 12	Hydronic Piping	Plumbing	Plumbing
Ch. 13	Fuel Oil Piping and Storage		
	1301.2	Fire/Plumbing	Fire (storage systems) Plumbing (Piping systems)
	1301.3	Fire	Fire
	1301.4	Fire/Plumbing	Fire (storage systems) Plumbing (Piping systems)
	1301.5	Fire	Fire
	1302	Plumbing	Plumbing
	1303	Plumbing	Plumbing
	1304	Plumbing	Plumbing
	1305	Plumbing	Plumbing
	1306	Fire	Fire
	1307	Plumbing	Plumbing
	1308	Plumbing	Plumbing
Ch. 14	Solar Systems	Building/Plumbing	Plumbing
	N.J.A.C. 5:23-3.20(c) Carbon monoxide alarms	Fire	Fire

6. One- and Two-Family Dwelling Subcode:

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 3	Building Planning		
	300	Building	Building
	301	Building	Building
	302	Building/Fire	Building
	303	Building	Building
	304	Building	Building
	305	Building	Building
	306	Building	Building
	307	Building	Building
	308	Building	Building
	309	Building	Building
	310	Building/Fire	Building
	311	Building/Fire	Building
	312	Building/Fire	Building
	313	Fire	Fire
	314	Building/Fire	Building
	315	Building/Fire	Building
	316	Building/Fire	Building
	317	Building/Fire	Building
	318	Building	Building
	319	Building	Building
	320	Building	Building
	324	Building	Building
	325	Fire	Fire
Ch. 4	Foundations	Building	Building
Ch. 5	Floors	Building	Building
Ch. 6	Wall Construction	Building	Building

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 7	Wall Covering	Building	Building
Ch. 8	Roof-Ceiling Construction	Building	Building
Ch. 9	Roof Assemblies	Building	Building
Ch. 10	Chimneys and Fireplaces	Building/Fire	Building
Ch. 13	General Mechanical System Requirements		
	M1301	Plumbing	Plumbing
	M1302	Plumbing	Plumbing
	M1303-M1304	Plumbing/Fire	Plumbing
	M1305	Plumbing	Plumbing
	M1306-M1307	Fire	Fire
	M1308	Building	Building
Ch. 14	Heating and Cooling Equipment		
	M1401-M1404	Plumbing	Plumbing
	M1405-M1407	Electrical	Electrical
	M1408-M1410	Building/Fire	Fire
	M1411-M1413	Plumbing	Plumbing
	M1414	Building/Fire	Fire
	M1415	Building/Fire	Building
Ch. 15	Exhaust Systems		
	M1501-M1502	Building/Fire	Fire
	M1503	Building/Fire	Building
	M1504	Building/Fire	Fire
	M1505	Building/Fire	Building
	M1506	Building/Fire	Building
	M1507	Building	Building
Ch. 16	Duct Systems		
	M1601	Building/Fire	Building
	M1602	Plumbing	Plumbing
Ch. 17	Combustion Air	Plumbing	Plumbing
Ch. 18	Chimneys and Vents		
	M1801-M1804	Plumbing/Fire	Fire
	M1805	Building/Fire (Masonry Chimneys) Building/Fire (Factory-built chimneys)	Building (Masonry Chimneys) Fire (Factory-Built chimneys)
Ch. 19	Special Fuel-Burning Equipment		
	M1901	Fire	Fire
	M1902	Plumbing	Plumbing
	M1903	Building/Fire	Fire
	M1904	Building/Fire	Fire
Ch. 20	Boilers/Water Heaters	Plumbing	Plumbing
Ch. 21	Hydronic Piping	Plumbing	Plumbing
Ch. 22	Special Piping and Storage Systems		
	M2201	Fire	Fire
	M2202-M2204	Plumbing	Plumbing
Ch. 23	Solar Systems	Plumbing	Plumbing
Ch. 24	Fuel Gas		
	G2404.2	Plumbing	Plumbing
	G2404.3	Plumbing/Fire	Plumbing
	G2404.4	Plumbing	Plumbing

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	G2404.6-G2404.8	Building	Building
	G2404.9 - G2404.10	Plumbing	Plumbing
	G2405	Building	Building
	G2406-G2407	Plumbing	Plumbing
	G2408-G2409	Fire	Fire
	G2410-G2411	Electrical	Electrical
	G2412-G2424	Plumbing	Plumbing
	G2425.1-G2425.2	Building/Fire	Fire
	G2425.3	Building/Fire	Building
	G2425.4-G2425.6	Plumbing	Plumbing
	G2425.7	Building/Fire	Building
	G2425.8	Plumbing	Plumbing
	G2425.9	Building/Fire	Fire
	G2425.10	Plumbing	Plumbing
	G2425.11	Plumbing/Building	Building
	G2425.12-G2425.14	Plumbing	Plumbing
	G2425.15.1	Plumbing	Plumbing
	G2425.15.2	Fire	Fire
	G2425.15.3	Building/Fire	Building
	G2425.15.4	Fire	Fire
	G2426	Plumbing	Plumbing
	G2427.1-G2427.4	Plumbing	Plumbing
	G2427.5.1	Building/Fire	Fire
	G2427.5.2	Building/Fire	Building
	G2427.5.3	Building/Fire	Fire
	G2427.5.4	Plumbing/Building	Building
	G2427.5.5	Plumbing	Plumbing
	G2427.5.6	Building/Fire	Fire
	G2427.5.7	Building	Building
	G2427.5.8	Building/Fire	Building
	G2427.5.9	Building	Building
	G2427.6-G2427.8	Plumbing/Fire	Fire
	G2427.9	Plumbing	Plumbing
	G2427.10.1-G2427.10.4	Plumbing	Plumbing
	G2427.10.5	Plumbing/Fire	Fire
	G2427.10.6-G2427.10.11	Plumbing	Plumbing
	G2427.10.12-G2427.10.16	Plumbing/Fire	Fire
	G2427.11-G2427.15	Plumbing	Plumbing
	G2428-G2429	Plumbing	Plumbing
	G2430 (except G2430.1)	Building/Fire	Building
	G2430.1	Building/Fire	Fire
	G2432-G2434	Plumbing/Fire	Plumbing
	G2435	Plumbing/Fire	Fire
	G2436-G2439	Building/Fire	Fire
	G2440-G2443	Plumbing	Plumbing
	G2444.1-G2444.3	Plumbing/Fire	Plumbing
	G2444.4	Plumbing/Fire	Fire
	G2445-G2446	Plumbing	Plumbing
	G2447	Fire	Fire
	G2448	Plumbing	Plumbing
	G2449.1-G2449.3	Plumbing	Plumbing
	G2449.4	Plumbing/Fire	Plumbing

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	G2450	Plumbing	Plumbing
	G2451	Fire	Fire
	G2452	Plumbing	Plumbing
	G2453	Plumbing	Plumbing

7. Fuel Gas Subcode:

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
Ch. 3	General Regulations		
	301.1.1	Fire	Fire
	301.2	Fire	Fire
	301.3	Fire	Fire
	301.4	Fire	Fire
	301.5	Fire	Fire
	301.6	Plumbing	Plumbing
	301.7	Fire	Fire
	301.8	Building	Building
	301.10	Building	Building
	301.11	Building	Building
	301.12	Building	Building
	301.13	Building/Fire	Building
	301.14	Building	Building
	301.15	Building	Building
	302	Building	Building
	303	Fire	Fire
	304	Fire	Fire
	305	Fire	Fire
	306	Fire	Fire
	307	Plumbing	Plumbing
	308	Building/Fire	Fire
	309	Electrical	Electrical
	310	Electrical	Electrical
Ch. 4	Gas Piping Installation	Plumbing	Plumbing
Ch. 5	Chimneys and Vents	Building/Fire	Fire (except 501.3, 501.7, 501.11, 501.15.3, 503.5.3)
	501.3	Building/Fire	Building
	501.7	Building/Fire	Building
	501.11	Building/Fire	Building
	501.15.3	Building/Fire	Building
	503.5.3	Building/Fire	Building
Ch. 6	Specific Appliances		
	602	Building/Fire	Building
	603	Building/Fire	Fire
	604	Building/Fire	Fire
	605	Building/Fire	Fire
	606	Building/Fire	Fire
	607	Building/Fire	Fire
	608	Building/Fire	Fire
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	614	Building/Fire	Building

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	615.1	Building/Fire	Building
	615.2	Building/Fire	Building
	615.3	Building/Fire	Building
	615.4	Building/Fire	Fire
	615.5	Building/Fire	Fire
	615.6	Building/Fire	Building
	615.7	Building/Fire	Building
	616	Building/Fire	Fire
	617	Building/Fire	Building
	618	Building/Fire	Building
	619	Building/Fire	Building
	620.1	Building/Fire	Building
	620.2	Building/Fire	Building
	620.3	Building/Fire	Building
	620.4	Building/Fire	Fire
	621	Building/Fire	Building
	622	Building/Fire	Building
	623	Building/Fire	Building
	624	Plumbing	Plumbing
	625	Building/Fire	Building
	626	Plumbing	Plumbing
	627.1	Building/Fire	Building
	627.2	Plumbing	Plumbing
	627.3	Plumbing	Plumbing
	627.4	Building/Fire	Building
	627.5	Building/Fire	Building
	627.6	Building/Fire	Building
	627.7	Building/Fire	Building
	627.8	Plumbing	Plumbing
	627.9	Plumbing	Plumbing
	628.1	Building/Fire	Building
	628.2	Building/Fire	Building
	628.3	Building/Fire	Building
	628.4	Plumbing	Plumbing
	629	Building/Fire	Building
	630	Building/Fire	Building
	631	Plumbing	Plumbing
	632	Plumbing	Plumbing
	633	Electrical	Electrical
	634	Building/Fire	Building
	635	See Chapter 7	See Chapter 7
Ch. 7	Gaseous Hydrogen Systems		
	703.1	Building	Building
	703.2	Building/Fire	Fire
	703.3-703.5	Fire	Fire
	703.6	Electrical	Electrical
	704.1	Fire	Fire
	704.1.1	Fire	Fire
	704.1.2	Plumbing	Plumbing
	704.2-704.4	Fire	Fire
	705	Plumbing	Plumbing
	706.1	Building	Building
	706.2	Building/Fire	Fire

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Chapter	Section/Title	Responsibility	
		Plan Review	Inspection
	706.3	Building	Building
	707	Fire	Fire
	708	Fire	Fire

8. Elevator Subcode: All (except as provided for in N.J.A.C. 5:23-12)

9. Radon Hazard Subcode: Building subcode official, except that *N.J.A.C. 5:23-10.4(b)14* shall be the responsibility of the Electrical Subcode official.

(b) Where responsibility for enforcement of a section is joint between two officials and there are conflicting opinions regarding enforcement, the construction official shall rule as to which interpretation or application shall be followed.

(c) Responsibility for enforcement of the Barrier Free Subcode and Radon Hazard Subcode shall be in accordance with *N.J.A.C. 5:23-7.15* and *10.3*, respectively.

(d) Any mechanical inspector employed by the Department or by a municipality, and so assigned by the construction official, shall have the responsibility for enforcement of the provisions of the code, except electrical, relating to the installation of mechanical equipment, such as refrigeration, air conditioning or ventilating apparatus, gas piping or heating systems, in Group R-3, R-4, or R-5 structures.

1. When assigned by the construction official, a plumbing subcode official shall have the responsibility for the enforcement of the provisions of the code, except electrical, for the replacement of heating or cooling equipment or water heaters in Group R-3, R-4, or R-5 structures. A plumbing subcode official need not be a mechanical inspector to perform these inspections.

§ 5:23-3.5 Posting structures

(a) Posted use and occupancy: Every building and structure and part thereof designed for business, factory and industrial, high hazard, mercantile, or storage use, (use groups B, F, H, M and S) as defined in chapter 3 of the building subcode shall be posted on all floors by the owner with a suitably designed placard in a form designated by the building subcode official, which shall be securely fastened to the structure in a readily visible place, stating the use group and the live load and occupancy load.

(b) Posted occupancy load: Every building and structure and part thereof designed for use as a place of public assembly or as an institutional building for harboring people for penal, correctional, educational, medical or other care or treatment (use groups A, E and I) shall be posted with an approved placard designating the maximum occupancy load.

(c) Replacement of posted signs: All posting signs shall be furnished by the owner and shall be of permanent design; they shall not be removed, or defaced and, if lost, removed or defaced, shall be immediately replaced.

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(d) Posted hydraulic system data plate: In lieu of the nameplate of the referenced NFPA standard(s), fire sprinkler system contractors are required to identify hydraulically designed fire sprinkler systems by affixing a permanently marked weatherproof metal or rigid plastic sign at the alarm valve. The nameplate shall contain information relative to the design parameters of the system as indicated on Form No. F380. The plate shall be secured at the alarm valve with corrosion resistant wire, chain, or other approved means.

(e) Identifying emblems for structures with truss construction: Identifying emblems shall be permanently affixed to the front of structures with truss construction as required by *N.J.A.C. 5:70-2.20*.

1. The emblem shall be of a bright and reflective color, or made of reflective material. The shape of the emblem shall be an isosceles triangle and the size shall be 12 inches horizontally by six inches vertically. The following letters, of a size and color to make them conspicuous, shall be printed on the emblem:

- i. "F" to signify a floor with truss construction;
- ii. "R" to signify a roof with truss construction; or
- iii. "F/R" to signify both a floor and roof with truss construction.

2. The emblem shall be permanently affixed to the left of the main entrance door at a height between four and six feet above the ground and shall be installed and maintained by the owner of the building.

3. Detached one and two-family residential structures with truss construction that are not part of a planned real estate development shall be exempt from the requirements of (e) above, unless required by municipal ordinance.

4. Individual structures and dwelling units with truss construction that are part of a planned real estate development shall not be required to have an identifying emblem if there is an emblem affixed at each entrance to the development.

(f) Swimming pools, spas and hot tubs: A valid electrical certificate of compliance and a bonding and grounding certificate shall be posted by the owner in a conspicuous place in or around the pool pump house or equipment control room.

§ 5:23-3.6 Standards; accepted practice

(a) This chapter, together with the subcodes, national standards and appendices it adopts by reference, shall be the primary guide to accepted engineering practice in respect to any material, equipment, system or method of construction therein specified.

(b) When this chapter and the subcodes, national standards and appendices it adopts by reference are silent, a manufacturer's recommendations for the installation of any material or assembly may be considered to be accepted engineering practice; provided, however, that a manufacturer's recommendations shall not be read to overrule this chapter or any subcode, national standard or appendix which it adopts by reference.

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1. Exception: Where enforcement of a code provision would violate the condition(s) of the listing of the equipment or appliance, the more restrictive condition(s) shall apply.

§ 5:23-3.7 Municipal approvals of alternative materials, equipment, or methods of construction

(a) Approvals: Alternative materials, equipment, or methods of construction shall be approved by the appropriate subcode official provided the proposed design is satisfactory and that the materials, equipment, or methods of construction are suitable for the intended use and are at least the equivalent in quality, strength, effectiveness, fire resistance, durability and safety of those conforming with the requirements of the regulations.

1. A field evaluation label and report or letter issued by a nationally recognized testing laboratory verifying that the specific material, equipment, or method of construction meets the identified standards or has been tested and found to be suitable for the intended use, shall be accepted by the appropriate subcode official as meeting the requirements of (a) above.

2. Reports of engineering findings issued by nationally recognized evaluation service programs, such as, but not limited to, the Building Officials and Code Administrators (BOCA), the International Conference of Building Officials (ICBO), the Southern Building Code Congress International (SBCCI), the International Code Council (ICC), and the National Evaluation Service, Inc., shall be accepted by the appropriate subcode official as meeting the requirements of (a) above. The materials, equipment, or assembly shall be installed in accordance with the conditions specified in the report.

(b) Research and investigations: The appropriate subcode official shall require that sufficient technical data be submitted to substantiate the proposed use of any material or assembly, and if it is determined that the evidence submitted is satisfactory proof of performance for the use intended, he may approve its use subject to the requirements of the regulations. The cost of all tests, reports and investigations required under these provisions shall be paid by the applicant.

(c) Research reports: The appropriate subcode official may accept, as supporting data to assist in this determination, duly authenticated research reports from approved authoritative sources for all materials or assemblies proposed for use which are not specifically provided for in the regulations.

§ 5:23-3.8 Products violating the Code

(a) The Department shall, after public hearing and in accordance with the Administrative Procedure Act (P.L. 1968, c.410, as amended), establish and distribute to all enforcing agencies a list of items, devices and materials the regular and intended use of which would violate any provision of the State Uniform Construction Code. A list of such items is set forth in (d) below.

(b) Upon determining that any manufacturer or distributor in the State is selling or offering for retail sale any product on the list which does not have a regular and intended use that does not violate the Code, or any product which may have one or more such non-violative regular and

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intended use but which is being advertised or promoted for a use that does violate the Code, the Department or any enforcing agency having jurisdiction shall give written notice of the violation of N.J.S.A. 52:27D-138a(5) to such seller. Such notice shall forbid the further sale or offering for retail sale of such product within the State and shall specify a date and time by which such product shall be removed from display to customers.

(c) Any person who, having received a notice of violation pursuant to this section, continues to sell or offer for retail sale products specified in such notice, shall be deemed to be knowingly selling or offering the product for sale in violation of the Code and shall be subject to penalty as provided by statute, in accordance with the procedures set forth in *N.J.A.C. 5:23-2.31*.

(d) The Commissioner has determined that the following materials and supplies are not in conformance with the State Uniform Construction Code:

1. Building materials and supplies:

i. Wood paneling being used as an interior finish not in conformance with section 803.2 of the building subcode. This section specifies that finish shall be classified in accordance with ASTM E84;

ii. Carpeting used as an interior floor finish material not in conformance with section 805.2 of the building subcode. This section specifies that interior floor finish shall be classified in accordance with ASTM E648; and

2. Electrical materials/supplies:

i. As stated in the National Electrical Code (sections 90.7, 110.2, and 110.3 and Article 100), only products listed, labeled, approved, and identified are acceptable. Approval is to be based on tests and listings of testing laboratories such as Underwriters Laboratories Inc. (UL), Factory Mutual (FM), or Canadian Standards Association (CSA), etc. Markings applied to products by such testing laboratories shall indicate the approval is based on applicable US standards.

3. Plumbing materials/supplies:

i. All purpose solvent cement, except transition glues permitted in the plumbing subcode;

ii. Clear PB piping;

iii. Flexible traps and tailpieces;

iv. Sheet and tubular copper and brass trap and tailpiece fittings less than B & S 17 gauge (.045 in.);

v. Water closets requiring in excess of an average of 1.6 gallons per flush, that either have a manufacturer's date stamp of July 1, 1991 or later or were not purchased by the distributor prior to July 1, 1991;

vi. Plumbing fixtures that do not meet the standards listed in the plumbing subcode.

4. Miscellaneous materials and supplies:

i. Portable unvented natural gas, liquified petroleum gas and kerosene heaters when offered for sale for use in buildings for human occupancy, unless they are tested, listed, labeled and certified

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by a nationally recognized testing laboratory such as the American Gas Association Laboratories (AGA), Underwriters Laboratories, Inc. (UL) or Factory Mutual (FM);

ii. Urea formaldehyde foam insulation, unless offered for sale for use elsewhere than in buildings.

§ 5:23-3.9 Interpretations and opinions

(a) Whenever the Commissioner shall, in accordance with applicable provisions of the Administrative Procedure Act, make any rule constituting an interpretation of any provision of the regulations, such shall be binding provided, however, that such interpretations shall be prospective in nature. Such interpretations shall not alter the ruling of a subcode official already rendered in a specific instance relating to a specific permit or structure. Requests for interpretations shall be in the form, and submitted in accordance with the procedure, set forth in N.J.A.C. 5:2-2.

(b) In response to a written inquiry or request setting forth a specific factual situation, or upon its own initiative, the Construction Code Element may issue a formal technical opinion to clarify provisions of the adopted subcodes. Such formal technical opinion shall be signed by the Assistant Director of the Element and shall be binding upon the Element and upon other code enforcement agencies and licensed officials. Formal technical opinions shall be prospective in nature, shall be based upon adopted subcodes or upon authoritative test results or standards incorporated by reference into an adopted subcode and shall not alter the ruling of a licensed official already rendered in a specific instance relating to a specific permit or structure, except that any such formal technical opinion may be considered in the context of an appeal from any such ruling.

(c) The Construction Code Element may issue bulletins to provide advice to code enforcing agencies, builders, and designers. Bulletins may be issued when the Element finds that an issue that is in need of clarification is adequately dealt with by existing rules and that rulemaking is therefore not appropriate or necessary. Consultation with the Code Advisory Board shall be required prior to the issuance of any bulletin.

(d) In response to a written or oral inquiry or request setting forth a specific factual situation, a staff member of the Construction Code Element may issue an informal opinion as to the proper application of the regulations if the issue is one with which he has authority to deal. Such informal opinion shall only be in writing if it is issued in response to a written inquiry or request and shall not be binding upon the Element or any other party.

§ 5:23-3.10 (Reserved)

§ 5:23-3.11 Enforcement activities reserved to the Department

(a) Except as otherwise provided in *N.J.A.C. 5:23-3.11A(b)*, the Department of Community Affairs shall be the sole plan review agency for the following structures, plans and equipment:

1. Electrical generating stations and substations, including nuclear;

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2. Incineration plants;
3. Solid waste disposal plants;
4. Class I and Class II structures where required in accordance with *N.J.A.C. 5:23-4.3A* and *N.J.A.C. 5:23-4.24(b)2*;
5. Casino hotels;
6. Public mausoleums, vaults, crypts and other structures intended to hold or contain human remains;
7. All premanufactured systems for Class I and Class II structures, other than those authorized to be approved by an inplant inspection agency licensed to perform Class I and Class II plan review as provided in *N.J.A.C. 5:23-4A.10*, and all on-site installation of Class I and Class II premanufactured construction within the jurisdiction of a local enforcing agency that is not a Class I or Class II agency, as the case may be.
8. Health care facilities, as defined in *N.J.A.C. 5:23-1.4*;
9. Public school facilities, as defined in *N.J.A.C. 5:23-1.4*;
10. Prototype plans intended for use in more than one municipality; and
11. High level alarm systems in terminals, as defined in *N.J.S.A. 52:27D-214*.

(b) The Department of Community Affairs shall be the sole plan review agency for elevators, escalators, and moving walks in structures of Groups other than R-2, R-3, R-4, or R-5 in which the elevator devices are wholly within dwelling units and not accessible to the general public, in all buildings and structures other than those that:

1. Are in a municipality that has an elevator subcode official; and
2. Are otherwise within the plan review jurisdiction of the local enforcing agency.

(c) A permit shall not be issued until the required plans for the building or structure have been released by the department. The Department shall insure that the municipal enforcing agency receives a copy of the released plans.

1. Exception: In the case of a permit application based upon prototype plans released by the Department, it shall be the responsibility of the applicant to submit the items listed at *N.J.A.C. 5:23-2.15(f)2ii*, including a reference set of plans, the prototype file identification number, the plan number and date of the released prototype plan, to the municipal enforcing agency.

(d) The department may perform field inspections for any of the above projects when it deems such activity appropriate. However, such action shall not relieve the municipality of the obligation to perform field inspections for any project for which the municipality has granted a permit.

(e) Whenever the department shall determine that there exists a violation of these regulations, it shall take appropriate action and shall provide the municipality with copies of all notices, orders, and other applicable information. The department and any municipality may consolidate or take other steps to expedite any matter of which they jointly complain, but in no event shall the owner of any building subject to the act be sanctioned twice for the same violations.

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(f) In any case where the department shall notify a municipality that a violation exists, no certificate of occupancy may issue until the department notifies the municipality that the violation has been abated.

(g) The Department of Community Affairs shall be the sole agency for the enforcement of the Barrier Free Recreation Standards (*N.J.A.C. 5:23-7.15* through *7.31*). Any complaint of noncompliance with these rules shall be forwarded to the Department.

(h) The Department of Community Affairs shall be the sole agency having authority to grant variations from the requirements of the Asbestos Hazard Abatement Subcode, pursuant to *N.J.A.C. 5:23-8.4*.

(i) The Department of Community Affairs shall be the sole agency for the enforcement of the Playground Safety Subcode (*N.J.A.C. 5:23-11*) with regard to all matters not within the scope of a construction permit issued by a local enforcing agency; provided, however, that this subsection shall not be construed as prohibiting the Department of Education from including review of compliance with applicable playground requirements in its ongoing district monitoring process.

(j) The Department shall be the sole enforcing agency for the following work:

1. Amusement rides;
2. Ski lifts;
3. Billboards located on land owned or controlled by any State, county or local department, agency, board, commission, authority, or instrumentality; and
4. Liquefied petroleum gas installations, except vapor delivery installations utilizing containers with an aggregate water capacity of 2,000 gallons or less, which jurisdiction is retained by the municipal enforcing agency.

§ 5:23-3.11A Public school facility plan review and inspections; Uniform Construction Code enhancements in public school facilities

(a) Plan review for the following types of projects shall be performed by the Department of Community Affairs. Prior to the release of plans for the following types of projects, the Department of Education shall ensure that the plans meet the standards for educational adequacy set forth in *N.J.A.C. 6A:26*:

1. New public school buildings, including the creation of a new public school building through the change of use of an existing building;
2. Additions to existing public school buildings;
3. Alterations changing the total number of instructional spaces, the size of any such spaces or type of any such spaces;
4. Installations of mobile units; or

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5. Any site or building change or alteration for the purpose of making the site and school barrier-free pursuant to *N.J.A.C. 5:23-7* and accessible to the handicapped pursuant to section 504 of the Federal Rehabilitation Act of 1973.

(b) In lieu of obtaining construction code plan review and release from the Department of Community Affairs, a school district, upon notice to and approval by the Department, may secure construction code plan review and release from a municipal code enforcing agency, pursuant to P.L. 1990, c.23.

1. The municipal code enforcing agency providing construction code plan approval must agree to perform the review and must be appropriately classified for the proposed project in accordance with this chapter.

i. The municipal code enforcing agency in the municipality where the proposed project is to take place shall be given the right of first refusal to review the plans provided that the agency is appropriately classified for the proposed project in accordance with this chapter.

2. The municipal code enforcing agency performing the construction code plan review may require the payment of any municipal plan review fees.

3. No construction permit shall be issued for a public school facility unless and until the final plans and specifications have been released by the Department or an appropriately classified municipal code enforcing agency.

4. The municipal code enforcing agency within the jurisdiction in which the facility is located shall be responsible for construction permit issuance, construction inspection and certificate of occupancy issuance.

5. Amendments to released plans and specifications for reasons other than educational adequacy shall be submitted for review and release to the Department or the municipal code enforcing agency, whichever originally released the plans.

6. Release of the plans by the Department or the municipal code enforcing agency, as the case may be, shall not preclude the enforcing agency doing the inspection from issuing a stop work order in the event of a violation of the code. The enforcing agency doing the inspection shall not, however, issue a stop work order based on its disagreement with the released plans unless the agency that released the plans, be it the Department or another local enforcing agency, agrees that the issuance of such an order is appropriate. In the event that the enforcing agency doing the inspection believes there to be an error in the plans, that enforcing agency shall give prompt notice of the error that is believed to exist to the Department or the municipal agency that reviewed the plans, as the case may be.

(c) The Department or the municipal code enforcing agency providing construction code plan release or inspection shall be responsible for enforcing the following Uniform Construction Code enhancements in public school facilities:

1. An automatic fire detection system shall be installed in all new buildings of Group E (educational), in accordance with National Fire Protection Association standard 72. The system shall utilize:

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- i. Combination fixed-temperature and rate of rise devices in classrooms and other spaces not covered in (c)1ii below;
- ii. Devices to detect abnormal visible smoke densities or gaseous products of combustion in corridors and exit stairs;
- iii. An automatic fire suppression system and, in areas where suppression is deleted, automatic detection devices; or
- iv. A combination of the above three types of detection devices except that a fixed-temperature detector shall be permitted in approved locations, such as in a boiler room or incinerator.

2. Manual fire alarm boxes, in addition to requirements from Section 907.3 of the building subcode, shall be provided in the natural path of escape from fire, near each exterior door from the corridor, kitchen, heater room and other exterior exits that are required to serve 50 or more persons. Additional fire alarm boxes shall be located in the main office, stage, at each stairway entrance from a corridor or place of assembly and near one exterior exit in each section of a place of assembly. It shall not be necessary to traverse more than 200 feet of unobstructed horizontal distance on the same floor in order to reach a fire alarm box.

3. Each instructional space and room of assembly which is illuminated with the use of high intensity discharge (HID) sources, such as mercury vapor, high pressure sodium and metal halide lamps, shall also be provided with a second source of illumination to provide illumination instantly upon activation of the circuit. All high intensity discharge (HID) lamps shall be of the fail-safe type which will permanently extinguish within 15 minutes after the outer glass of the bulb is broken. All lamps shall be provided with a glass or plastic lens to protect the bulb.

4. All school buildings shall be equipped with a mechanical air supply and exhaust ventilation system which will provide, during periods of occupancy, standard tempered outdoor air supply and mechanical exhaust at the minimum rates set forth in the mechanical subcode.

(d) Pursuant to Reorganization Plan No. 114-1996, the Department or the municipal code enforcing agency shall have authority to enforce and cite violations of *N.J.A.C. 6A:26-6.2*.

§ 5:23-3.11B Underground storage tank systems

(a) The installation, repair (other than "minor repair," as defined in *N.J.A.C. 7:14B-10.5*), and closure (or "demolition") of underground storage tank systems, as defined in *N.J.A.C. 7:14B-10.1*, shall be controlled by the State Uniform Construction Code and by *N.J.A.C. 7:14B-1* through 15.

(b) A DEP permit for the installation, repair or closure of an underground storage tank system that requires a DEP approval, or any part thereof, or an emergency permit granted pursuant to *N.J.A.C. 7:14B*, shall be a prior approval for any permit application submitted pursuant to the State Uniform Construction Code Act and these rules. Applicants installing secondarily contained systems for which no prior DEP approval is necessary shall be required to submit engineering drawings of the secondarily contained systems and to certify that the underground storage tank system meets all requirements of *N.J.A.C. 7:14B*.

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(c) Construction code officials shall retain all penalty powers, as set forth in these rules, with respect to the installation, usage or closure (demolition) of underground storage tank systems and parts thereof in violation of the State Uniform Construction Code Act or these rules.

(d) The following types of underground storage tank systems requiring a construction permit are exempt from the requirements of *N.J.A.C. 7:14B*:

1. Farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. Tanks with a capacity of 2,000 gallons or less used to store heating oil for onsite consumption in a nonresidential building;
3. Tanks used to store heating oil for onsite consumption in a residential building;
4. Septic tanks installed in compliance with rules adopted by DEP pursuant to P.L. 1954, c.199 (*N.J.S.A. 58:11-23 et seq.*);
5. Tanks situated in an underground area, including, but not limited to, basements, cellars, mines, drift shafts, or tunnels, if the storage tank is situated upon or above the surface of the floor;
6. Tanks situated in an underground area, including, but not limited to, basements, cellars, mines, drift shafts, or tunnels, if the storage tank is equipped with secondary containment and is uncovered so as to allow visual inspection of the exterior of the tank;
7. Wastewater treatment tanks;
8. Electrical equipment;
9. Hydraulic lift tanks; and
10. Any pipes, lines, fixtures, or other equipment connected to any tank exempted from the provisions of *N.J.A.C. 7:14B* as set forth in (b)1 to 9 above.

§ 5:23-3.12 Amended rules

Whenever the Commissioner shall make any modifications to the rules, notice of same shall be published in the New Jersey Register.

§ 5:23-3.13 Code change proposals

(a) The following apply to State-sponsored model code change proposals:

1. Any private party, municipality, other political subdivision, or agency of the State seeking to submit a State-sponsored model code change proposal shall do so not less than 240 days prior to the code change meeting of the model code adoption agency for which the amendment is being proposed.

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2. Such proposal shall be on a form provided by the model code organization where one is available. If none is available, such proposal shall state the name and address of the party or official proposing the model code change, the company, agency, or political subdivision represented, if applicable, the text of the amendment suggested and an explanation of the amendment together with any technical justification deemed necessary by the proponents.

3. A hearing shall thereafter be held in accordance with *N.J.S.A. 52:27D-124* of the Act.

4. Copies of the submitted applications for model code change proposals, transcripts of hearings on such applications, and State-sponsored model code change proposals, as adopted, shall be available from the Department at a fee of \$.50 per page.

5. Whenever a model code change hearing is scheduled so as not to allow adequate time to meet the procedures set forth in this section and in *N.J.S.A. 52:27D-124* of the Act, the Commissioner may hold a hearing and require the advice of the Code Advisory Board within a lesser time period, as the situation dictates.

(b) The following apply to rehabilitation subcode code change proposals:

1. Proposals for code changes to the rehabilitation subcode (*N.J.A.C. 5:23-6*) may be submitted to the Department at any time. Those rehabilitation subcode code change proposals submitted by January 31 shall be considered with the changes received during the previous calendar year.

2. A rehabilitation subcode code change proposal shall include the following information:

i. The name, organization, mailing address, telephone number, facsimile number, and e-mail address of the proponent of the proposed code change;

ii. The primary section of the rehabilitation subcode proposed for change and any other section(s) where corresponding changes are required. Language proposed for deletion shall be presented in brackets and language proposed for addition shall be underlined; and

iii. A description and supporting statement for the proposed code change.

3. Rehabilitation subcode code change proposals may be submitted on the form provided in subchapter Appendix 3-A, incorporated herein by reference.

4. Rehabilitation subcode code change proposals shall be submitted to the Code Development Unit, Department of Community Affairs, Division of Codes and Standards, PO Box 802, Trenton, New Jersey 08625. Code change proposals may be faxed to the Code Development Unit at (609) 984-7717 or (609) 633-6729.

5. A public hearing for rehabilitation subcode code change proposals shall be held prior to a scheduled Code Advisory Board meeting. The date and time of the public hearing on rehabilitation subcode code change proposals may be obtained by contacting the Code Development Unit at (609) 984-7609.

(c) The following apply to code change proposals to other State-developed subcodes:

1. Proposals for code changes to other State-developed subcodes may be submitted to the Department at any time and shall include the information outlined in (b)2 above.

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2. Code change proposals to other State-developed subcodes shall be submitted to the Code Development Unit in accordance with (b)4 above.

§ 5:23-3.14 Building subcode

(a) Rules concerning the building subcode are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the International Code Council, 2009 International Building Code, known as the "IBC/2009." This code is hereby adopted by reference as the building subcode for New Jersey subject to the modifications stated in (b) below.

i. Copies of this code may be obtained from the International Code Council at 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.

ii. The IBC/2009, as amended, may be known and cited as the "building subcode."

2. Any references to the International Plumbing Code, the International Existing Building Code, International Residential Code, or the ICC/ANSI A117.1 standard (including reference to Chapter 11) listed in Chapter 35 shall be considered a reference to the appropriate plumbing subcode, and the one- and two-family dwelling subcode referenced in *N.J.A.C. 5:23-3*, the rehabilitation subcode, *N.J.A.C. 5:23-6*, or to the barrier free subcode, *N.J.A.C. 5:23-7*, as appropriate.

(b) The following chapters of the building subcode are modified as follows:

1. Chapter 1, Scope and Administration, shall be deleted in its entirety. In addition, any referenced section of Chapter 1 shall be deleted throughout the code and "the administrative provisions of the Uniform Construction Code (*N.J.A.C. 5:23*)" shall be inserted.

2. Chapter 2, Definitions, shall be amended as follows:

i. The definition of "addition," shall be deleted.

ii. In the definition of agricultural buildings, "A structure qualifying under the Uniform Construction Code definition of a Commercial Farm Building may be built according to the regulations at *N.J.A.C. 5:23-3.2(d)*" shall be inserted after the last sentence.

iii. The definition of "alteration" shall be deleted.

iv. The definition of "building" shall be deleted and the following shall be inserted: "BUILDING. A structure enclosed with exterior walls or fire walls, built, erected and framed of component structural parts, designed for the housing shelter, enclosure and support of individuals, animals or property of any kind. When used herein, building and structure shall be interchangeable except where the context clearly indicates otherwise."

v. The definition of "building line" shall be deleted.

vi. The definition of "building official" shall be deleted and the following shall be inserted: "BUILDING SUBCODE OFFICIAL. A qualified person appointed by the municipal appointing authority or the commissioner pursuant to the act and the regulations to enforce the provisions of the building subcode within the jurisdiction of the enforcing agency."

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- vii. The definition of "existing structure" shall be deleted.
 - viii. In the definition of "Dwelling Unit," "living as a single housekeeping unit" shall be inserted after "persons."
 - ix. The definitions of "historic building" and "jurisdiction" shall be deleted.
 - x. A definition of "nightclub" shall be inserted as follows:

"NIGHTCLUB. All buildings and places of public assembly designed for use as dance halls, eating and/or drinking establishments, and similar occupancies, in which the established maximum permitted occupant load exceeds the number of seats provided by more than 30 percent or which affords less than 12 square feet net area per occupant. For purposes of determining the net area per occupant, only the actual public assembly room or rooms shall be considered. For purposes of applying the requirements of this code, the nightclub shall include all rooms, lobbies and other spaces connected thereto with a common means of egress and entrance."
 - xi. The definition of "owner" shall be deleted and the following shall be inserted: "OWNER. The owner or owners in fee of the property of a lesser estate therein, a mortgagee or vendee in possession, an assignee of rents, receiver, executor, trustee, lessee or any other person, firm or corporation, directly or indirectly in control of a building, structure or real property and shall include any subdivision thereof of the State."
 - xii. The definitions of "permit," "person," and "repair" shall be deleted.
 - xiii. The definition of "Registered Design Professional in Responsible Charge" shall be deleted.
 - xiv. The definition of "structure" shall be deleted and the following shall be inserted:

"STRUCTURE. A combination of materials to form a construction for occupancy, use, or ornamentation, whether installed on, above, or below the surface of a parcel of land; provided the word "structure" shall be construed when used herein as though followed by the phrase "or part or parts thereof and all equipment therein" unless the context clearly requires a different meaning.
 - xv. The following terms and definitions referencing Chapter 11 shall be deleted: Accessible; Accessible Route; Accessible Unit; Circulation path; Common use; Detectable warning; Dwelling Unit or Sleeping Unit, Multistory; Dwelling Unit or Sleeping Unit, Type A; Dwelling Unit or Sleeping Unit, Type B; Employee Work Area; Facility; Intended to be occupied as a residence; Multistory Unit; Multilevel Assembly Seating; Public Entrance; Public-Use area; Self-service storage facility; Service entrance; site; Type A unit; Type B unit; and Wheelchair space.
3. Chapter 3, Use and Occupancy Classification, shall be amended as follows:
- i. In Exception 4 of Section 303.1, entitled "Assembly Group A", delete the following text: "Chapter 11" and insert "the Barrier Free Subcode, *N.J.A.C. 5:23-7*" in its place.
 - ii. In Section 303.1, Delete "Dance halls (not including food or drink consumption)" from Group A-3 and insert "Dance halls" into Group A-2.
 - iii. In Table 307.1(2), Maximum Allowable Quantity Per Control Area of Hazardous Materials Posing a Health Hazard<a,b,c,j>, the following shall be inserted as the fourth row of the table under "Material," "Storage<d>," "Use-Closed Systems<d>," and "Use-Open Systems<d>:"

Radioactive<j>	25 REM unsealed	100 REM sealed	25 REM
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source 100 REM source sealed source
sealed source

j. Maximum dosage allowed in any single whole-body short-term (1 hour or less) exposure.

iv. In Section 307.2, Definitions, the following definition shall be inserted: "RADIOACTIVE MATERIAL. Any material or combination of materials that spontaneously emit ionizing radiation."

v. In Section 307.6, High-hazard Group H-4, "Radioactive material" shall be inserted in the list of materials.

vi. Section 308.2, Group I-1, shall be amended as follows: In the first sentence, "16" shall be deleted and "5" shall be inserted. In the second sentence, "responding to" shall be deleted and "slow evacuation in" shall be inserted. In addition, "For the purposes of applying this provision, slow evacuation shall mean the movement of all occupants, residents, and staff to an exit in more than three minutes, but not more than thirteen minutes." shall be inserted as the third sentence. In the list of types of occupancies, "residential board and care facilities, assisted living facilities" shall be deleted and "boarding houses" shall be inserted. In the same list, "abuse" shall be inserted after "drug." Also, in the last paragraph, "in accordance with Section 101.2" and "A facility such as above, housing at least six and not more than 16 persons shall be classified as a Group R-4" shall be deleted and the following definition of "boarding house" shall be inserted:

"Boarding House: A building arranged or used for single occupancy where meals or personal or financial services are provided to the residents."

vii. In Section 308.3, Group I-2, "who are not capable of self-preservation" shall be deleted and "where evacuation is impractical. For the purposes of applying this provision, impractical evacuation shall mean the movement of all occupants, residents, and staff to an exit in more than 13 minutes" shall be inserted. In the list of types of occupancies, "assisted living facilities" shall be inserted.

viii. In Section 308.5, Group I-4, in the second sentence, "with" shall be deleted and "accessory to a dwelling unit and having" shall be inserted and "in accordance with Section 101.2" shall be deleted.

ix. In Section 308.5.1, Adult Care Facility, "accommodations for less than 24 hours for more than five unrelated adults and provides" shall be deleted, "services" shall be deleted after "care," and the following shall be inserted: "on less than a 24-hour basis where evacuation is slow or impractical, shall be classified as Group I-4. For the purposes of applying this provision, impractical evacuation shall mean the movement of all occupants, residents, and staff to an exit in more than thirteen minutes and slow evacuation shall mean the movement of all occupants, residents, and staff to an exit in more than three minutes, but not more than thirteen minutes." In the exception, "of responding to an emergency situation" shall be deleted and "of prompt evacuation" shall be inserted. In addition, "For the purposes of applying this provision, prompt evacuation shall mean the movement of all occupants, residents, and staff to an exit in three minutes or less." shall be inserted as the second sentence.

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x. In Section 308.5.2, Child Care Facility, "more than five" shall be deleted. In the same section, the exception shall be deleted and replaced with the following:

"Exception: Child day care facilities, accessory to a dwelling unit, serving five or fewer persons of any age for less than 24 hours shall be considered Group R-3 or R-5, as applicable."

xi. Section 310, Residential Group R, shall be deleted and the following shall be inserted:

"310.1 Residential Group R. Residential Group R includes, among others, the use of a building or structure, or a portion thereof, for sleeping purposes when not classified as an Institutional Group I. Residential occupancies shall include the following:

(1) R-1 Residential occupancies containing sleeping units where the occupants are primarily transient (less than 30 days) including:

Hotels (including motels) having transient occupancy

Rooming houses, with more than five residents, having transient occupancy

Vacation timeshare properties

(2) R-2 Residential occupancies containing sleeping units or more than two dwelling units where the occupants are primarily permanent in nature, including:

Apartment houses

Convents

Dormitories

Fraternity and sorority houses

Hotels (non transient)

Monasteries

Motels (non transient)

Rooming houses with more than five residents, not having transient occupancy

Therapeutic residences with more than 16 residents

(3) R-3 Detached one- and two-family dwellings greater than three stories in height, multiple single-family townhouses greater than three stories in height, attached two-family dwellings separated from adjacent units by firewalls, and other one- and two-family dwellings that are outside the scope of the one- and two-family dwelling subcode. Group R-3 includes:

Single residential occupancies, accessory to a dwelling unit, having no more than five roomers or lodgers. (Single occupancies, accessory to a dwelling unit, having more than five roomers or lodgers shall be classified as Group R-2 or I-1, as appropriate.)

Adult and child day care facilities, accessory to a dwelling unit, serving five or fewer persons of any age for less than 24 hours.

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Group Homes with 5 or fewer occupants, all of whom are capable of prompt self-evacuation. For the purpose of applying this requirement, prompt self-evacuation shall mean the movement to an exit in three minutes or less.

Rooming houses with five or fewer residents.

Therapeutic residences with five or fewer residents.

(4) R-4 Therapeutic residences including more than five but not more than 16 occupants, excluding staff.

Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3 except as otherwise provided in the code.

(5) R-5 Detached one- and two-family dwellings not more than three stories in height with a separate means of egress and multiple single-family townhouses not more than three stories in height with a separate means of egress designed and constructed in accordance with the one- and two-family dwelling subcode. Group R-5 also includes:

Single residential occupancies, accessory to a dwelling unit, having no more than five roomers or lodgers. (Single occupancies, accessory to a dwelling unit, having more than five roomers or lodgers shall be classified as Group R-2 or I-1, as appropriate.)

Adult and child day care facilities, accessory to a dwelling unit, serving five or fewer persons of any age for less than 24 hours.

Group Homes with 5 or fewer occupants, all of whom are capable of prompt self-evacuation. For the purpose of applying this requirement, prompt self-evacuation shall mean the movement to an exit in three minutes or less.

Rooming houses with five or fewer residents.

Therapeutic residences with five or fewer residents."

4. Section 310.2, Definitions, shall be amended as follows:

i. The definition of "Boarding House" shall be deleted in its entirety.

ii. The definition of "Personal Care Service" shall be deleted in its entirety.

iii. The definition of "Residential Care/Assisted Living Facilities" shall be deleted in its entirety.

iv. The definition of "Rooming House" shall be inserted as follows: "Rooming House: A building arranged or used for single occupancy where no meals or personal or financial services are provided to the residents."

v. The definition of "Single Residential Occupancy" shall be inserted as follows: "Single Residential Occupancy: A building arranged or used for individual non-transient residency by persons living independently of one another, regardless of whether the residents share the use of common facilities, such as kitchen or bathing facilities."

vi. The definition of "Therapeutic Residence" shall be inserted as follows: "Therapeutic Residence: A residence for adults, each of whom is capable of prompt evacuation, and who live within a single dwelling unit for therapeutic purposes, without a resident landlord or operator, but

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with some government or private social service provider oversight. For the purposes of applying this provision, prompt evacuation shall mean the movement of all occupants, residents, and staff to an exit in three minutes or less."

vii. The definition of "Transient Occupancy" shall be inserted as follows: "Transient Occupancy: A residential occupancy where no more than fifteen percent of the residents occupy the residency for more than 90 days."

5. Chapter 4, Special Detailed Requirements Based on Use and Occupancy, shall be amended as follows:

i. In Section 402.4.2, Number of Means of Egress, "used by persons other than employees" shall be deleted.

ii. In Section 403.4.7, Standby power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

iii. In Section 403.4.8, Emergency power systems, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

iv. In Section 405.8, Standby power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

v. In Section 405.9, Emergency power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

vi. In Section 406.1.4, Separation, Item 1 shall be deleted and the following text from the 2000 International Building Code as amended by New Jersey shall be inserted:

"1. A private garage located beneath a room(s) shall have walls, partitions, floors, and ceilings separating the garage from the adjacent interior spaces constructed with not less than a one-hour fire resistance rating (See FTO 13). Attached private garages shall be completely separated from the adjacent interior spaces and the attic area by a means of 1/2-inch gypsum board or equivalent applied to the garage side. Door openings between the garage and the residence shall be equipped with either solid wood doors not less than 1 3/8 inches (35 mm) thick, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick or doors in compliance with Section 715.4.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted."

vii. In Section 411.4, Automatic sprinklers, the exception shall be deleted in its entirety.

viii. In Section 412.3.5, Standby power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

ix. In Section 412.3.6, Accessibility, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

x. In Section 414.1.3, Information required, "building official" shall be deleted in the first and third sentences and "fire protection subcode official" shall be inserted.

xi. In Section 414.5.4, Standby or electrical power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

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xii. In Section 417.1, General, "Chapter 28" shall be deleted and "the mechanical subcode (N.J.A.C. 5:23-3.20)" shall be inserted.

xiii. In Section 419.7, Accessibility, "Chapter 11" shall be deleted and "the barrier free subcode (N.J.A.C. 5:23-7)" shall be inserted.

xiv. In Section 421.8, Standby power, "Chapter 27" shall be deleted and "the electrical subcode (N.J.A.C. 5:23-3.16)" shall be inserted.

xv. Section 423, Storm Shelters, shall be deleted in its entirety.

6. Chapter 5, General Building Heights and Areas, shall be amended as follows:

i. Section 501.2, Address identification, shall be deleted in its entirety.

ii. Table 503, Allowable Heights and Building Areas, shall be amended as follows:

(1) Under construction Type VA for Group A-1, "2" shall be deleted and "1" shall be inserted.

(2) Under construction Type IB for Group A-2, "11" shall be deleted and "3" shall be inserted. Under construction Types IIA and IIB for Group A-2, "3" and "2" shall be deleted and "2" and "1" shall be inserted, respectively. Under construction Types IIIA and IIIB for Group A-2, "3" and "2" shall be deleted and "2" and "1" shall be inserted, respectively. In addition, under construction Type IV for Group A-2, "3" shall be deleted and "2" shall be inserted. Finally, under construction Type VA for Group A-2, "2" shall be deleted and "1" shall be inserted.

(3) Under construction Type IB for Group A-3, "11" shall be deleted and "5" shall be inserted. In addition, under construction Type VA for Group A-3, "2" shall be deleted and "1" shall be inserted.

(4) Under construction Type IB for Group A-4, "11" shall be deleted and "5" shall be inserted. In addition, under construction Type VA for Group A-4, "2" shall be deleted and "1" shall be inserted.

(5) The maximum number of stories and maximum allowable area for Group A-5, construction Types IIIB, IV, VA and VB shall be deleted.

(6) Under construction Type IB for Group B, "11" shall be deleted and "7" shall be inserted. In addition, under construction Type IIIA for Group B, "5" shall be deleted and "4" shall be inserted.

(7) Under construction Type IB for Group F-1, "11" shall be deleted and "6" shall be inserted.

(8) Under construction Type IB for Group F-2, "11" shall be deleted and "7" shall be inserted.

(9) Under construction Type IA for Group H-2, "UL" shall be deleted and "3" shall be inserted. In addition, the maximum number of stories and maximum allowable area for Group H-2, construction Type VB shall be deleted and "NP" shall be inserted.

(10) Under construction Type IA for Group H-3, "UL" shall be deleted and "7" shall be inserted. In addition, under construction Type IIIA for Group H-3, "4" shall be deleted and "3" shall be inserted.

(11) Under construction Type IA for Group H-4, "UL" shall be deleted and "7" shall be inserted. In addition, under construction Type IIIA for Group H-4, "5" shall be deleted and "4" shall be inserted.

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(12) Under construction Type VA for Group I-3, "2" shall be deleted and "1" shall be inserted. In addition, the maximum number of stories and the maximum allowable area for Group I-3, construction Type VB shall be deleted and "NP" shall be inserted.

(13) Under Group, add superscript "<e>" to Group I-4. In addition, the following note shall be added to the table: "e. Child care facilities of Types IIB, III, IV or V construction shall be limited to 20 feet and 1 story."

(14) Under construction Type IB for Group M, "11" shall be deleted and "6" shall be inserted. In addition, under construction Type IIIA, "4" shall be deleted and "3" shall be inserted. Finally, under construction Type VA, "3" shall be deleted and "2" shall be inserted.

(15) Under construction Type IB for Group R-1, "11" shall be deleted and "9" shall be inserted. In addition, under construction Type IIB for Group R-1, "4" shall be deleted and "3" shall be inserted. Finally, under construction Type IIIB for Group R-1, "4" shall be deleted and "3" shall be inserted.

(16) Under construction Type IB for Group R-2, "11" shall be deleted and "9" shall be inserted. In addition, under construction Type IIB for R-2, "4" shall be deleted and "3" shall be inserted. Finally, under construction Type IIIB for Group R-2, "4" shall be deleted and "3" shall be inserted.

(17) Under construction Type IB for Group R-3, "11" shall be deleted and "4" shall be inserted. Under construction Type IIB for Group R-3, "4" shall be deleted and "3" shall be inserted. In addition, under construction Type IIIB for Group R-3, "4" shall be deleted and "3" shall be inserted. Finally, under construction Type VB for Group R-3, "3" shall be deleted and "2" shall be inserted.

(18) Under construction Type IB for Group R-4, "11" shall be deleted and "4" shall be inserted. Under construction Type IIB for Group R-4, "4" shall be deleted and "3" shall be inserted. In addition, under construction Type IIIB for Group R-4, "4" shall be deleted and "3" shall be inserted.

(19) Under construction Type IB for Group S-1, "11" shall be deleted and "5" shall be inserted. In addition, under construction Type VA for Group S-1, "3" shall be deleted and "2" shall be inserted.

(20) Under construction Type IB for Group S-2, "11" shall be deleted and "7" shall be inserted. In addition, under construction Type VA for Group S-2, "4" shall be deleted and "3" shall be inserted.

(21) Use Group U shall be deleted.

iii. In Section 504.2, Automatic sprinkler system increase, delete Exception #1 in its entirety and insert in its place:

1. Buildings, or portions of buildings, of Type IIB, III, IV or V construction classified as a Group I-2 occupancy or Group I-4 child care facility.

iv. In Section 505.4, Openness, Exception 5 shall be deleted in its entirety.

v. In Section 506.2.2, Open space limits, "not less than 20 feet in width," shall be inserted at the end of the sentence.

vi. Section 507.2, Unsprinklered, one story, shall be deleted in its entirety.

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vii. Section 507.4, Two-Story, shall be amended as follows: In the first line, " of Type I or Type II construction that is" shall be inserted after "building."

viii. In Table 508.4, Required Separation of Occupancies (Hours), "U<d>" shall be deleted in the fifth row and the fifth column of the table.

7. Chapter 6, Types of Construction, shall be amended as follows:

i. In Table 602, Fire Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance<a>, "U" shall be deleted from the heading of the fifth column. In addition, in the same table, Note b shall be deleted.

ii. In Section 602.3, Type III, "(See FTO 14)" shall be inserted after "noncombustible materials." In addition, the second sentence shall be deleted.

8. Chapter 7, Fire-Resistance-Rated Construction, shall be amended as follows:

i. In Section 703.3, Alternative Methods for determining fire resistance, Item #5 is amended to delete "Section 104.11" and insert "N.J.A.C. 5:23-3.7" in its place.

ii. In Section 705.5, Fire-resistance rating, "10 feet (3048 mm)" shall be deleted in the second and third sentence and "5 feet (1524mm)" shall be inserted.

iii. In Table 706.4, Fire Wall Fire Resistance Ratings, under the heading "Group," "U" shall be deleted.

iv. Section 706.5, Horizontal continuity, 706.5.1, Exterior walls, and Section 706.5.2, Horizontal projecting elements, shall be deleted in their entirety. Section 707.6 of the 1996 BOCA National Building Code shall be inserted as follows: "Horizontal Continuity. Firewalls shall be made smoke tight at the junction of exterior walls. In exterior wall construction employing studs, the wall shall extend through the stud space to the exterior sheathing."

v. In Table 707.3.9, Fire-Resistance Rating Requirements For Fire Barrier Assemblies or Horizontal Assemblies Between Fire Areas, the last row containing "U" and "1" shall be deleted.

vi. In Section 708.2, Shaft enclosure required, Exception 11 shall be deleted in its entirety.

vii. Section 708.14.1, Elevator lobby, shall be amended as follows: In the first sentence, "In buildings having occupied floors greater than 75 feet above the lowest level of fire department vehicle access" shall be inserted before "An." In the same section, Exceptions 4 and 6 shall be deleted in their entirety.

viii. Section 708.14.2, Enclosed elevator lobby pressurization alternative, shall be deleted in its entirety.

9. Chapter 9, Fire Protection Systems, shall be amended as follows:

i. In Section 901.3, Modifications, "remove or" shall be deleted. Additionally, "building official" shall be deleted and "fire protection subcode official" shall be inserted.

ii. In Section 901.5, Acceptance test, in the second sentence, "building official" shall be deleted and "fire protection subcode official" shall be inserted.

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iii. In Section 901.6.3, Group H, in the exception, "building official" shall be deleted and "fire protection subcode official" shall be inserted.

iv. In Section 903.1.1, Alternative protection, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

v. New Section 903.1.2, Residential systems, shall be inserted as follows:

"903.1.2 Residential systems. Unless specifically allowed by this code, residential sprinkler systems installed in accordance with NFPA 13D or NFPA 13R shall not be recognized for the purpose of exceptions or reductions permitted by other requirements of this code."

vi. Section 903.2.1.2., Group A-2, shall be amended to add a new section 903.2.1.2.1 as follows: "903.2.1.2.1 In Group A-2 Nightclubs, the automatic sprinkler system shall be tied to the performance sound system and to the house lights in such a way that activation of the automatic sprinkler system mutes the performance sound system and restores the intensity of illumination to that required by 1006.2."

vii. In Section 903.2.6, Group I, the exception shall be deleted and the following shall be inserted:

"Exceptions

1. An automatic fire sprinkler system installed in accordance with Section 903.3.1.2. shall be allowed in Group I-1 facilities.

2. For other than buildings of construction Types IIIB or VB, an automatic fire sprinkler system shall not be required for Group I-4 child care facilities that are located at the level of exit discharge and that accommodate 100 or fewer children and in which each child care room has an exit door directly to the exterior."

viii. In Section 903.2.11.1, Stories without openings, ", of all buildings where the floor area exceeds 1,500 square feet (139.4 m²) and" shall be deleted.

ix. New Section 903.2.13, Automatic sprinkler system thresholds, shall be inserted as follows: "An automatic sprinkler system shall be required in accordance with Section 903.3.1.1 when the maximum area is exceeded for the following construction types of Groups B, F-2, and S-2 according to table 903.2.13, Automatic Sprinkler System Thresholds. All others not listed shall follow the applicable requirements as set forth in the IBC/2009.

Automatic Sprinkler System Thresholds

Group B	IIB	IIIB	VB
Story	Max. Area	Max. Area	Max. Area
-----	-----	-----	-----
1	36,000	*	*
2	72,000 (36,000 per floor)	*	*
3	99,360	99,360	*

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	(36,000 per floor)	(36,000 per floor)	
Group F-2			
	IIB	IIIB	VB
Story	Max. Area	Max. Area	Max. Area
----	-----	-----	-----
1	36,000	*	18,000
2	72,000	*	36,000
	(36,000 per floor)		(18,000 per floor)
3	99,360	*	*
	(36,000 per floor)		
Group S-2<a>			
	IIB	IIIB	VB
Story	Max. Area	Max. Area	Max. Area
----	-----	-----	-----
1	36,000	36,000	18,000
2	72,000	72,000	36,000
	(36,000 per floor)	(36,000 per floor)	(18,000 per floor)
3	99,360	99,360	*
	(36,000 per floor)	(36,000 per floor)	

a. Exception--Open parking structures in accordance with Section 406.3

*Requirements as set forth in the IBC/2009"

x. In Section 903.3.5, Water supplies, "International Plumbing Code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

xi. In Section 903.3.6, Hose threads, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xii. In Section 903.4.1, Monitoring, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xiii. Section 903.5, "Testing and Maintenance", shall be deleted and the following shall be inserted in its place: "903.5 Acceptance tests: All sprinkler systems with the exception of limited area sprinkler systems shall be tested in accordance with NFPA 13 listed in Chapter 35.

903.5.1 Flow test: All systems shall be tested at the test pipe to determine that water-flow detecting devices, including the associated alarm circuits, are in proper working order. Dry pipe systems shall deliver water to the inspector's test pipe in not more than 60 seconds.

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903.5.2 Limited area sprinkler system acceptance test. All limited area sprinkler systems, which are not connected to a building standpipe system, shall be tested hydrostatically for a minimum of 15 minutes without visible leakage at the working pressure under which the system is to be used. Limited area sprinkler systems, which are connected to a building standpipe system, shall be tested in accordance with NFPA 13 listed in Chapter 35.

xiv. In Section 904.2, Where required, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xv. In Section 905.2, Installation standards, Sections 915.4, 915.5, and 915.6 of the 1996 BOCA National Building Code shall be inserted as follows: "905.2.1 Piping design. The riser piping, supply piping and the water service piping shall be sized to maintain a residual pressure of at least 65 psi (448 kPa) at the topmost outlet of each riser while flowing the minimum quantities of water specified in Sections 905.2.1.1 and 905.2.1.2. The pipe size shall be based on the capacity of the automatic water supply system or, where an automatic water supply is neither required nor provided to maintain the residual pressure of 65 psi (448 kPa), the pipe size shall be based on a pressure of 150 psi (1,034 kPa) available at the fire department connection.

Exception: The residual pressure of 65 psi (448 kPa) is not required in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and where the highest floor level is not more than 150 feet (45720 mm) above the lowest level of fire department vehicle access.

905.2.1.1 Riser sizing: The riser size shall be based on hydraulic calculations for a minimum flow of 500 gallons per minute (gpm) (1892 L/min.).

Exceptions:

1. Where only 1 1/2-inch valves are provided, the riser(s) shall be sized to provide a minimum flow of 100 gpm (378 L/min.).

2. In buildings where limited area sprinkler systems are supplied with water from a common standpipe riser, the riser shall be sized to satisfy total demand.

3. For occupancies in Group B, I, R-1 or R-2 in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, each riser shall be sized for a minimum flow of 250 gpm (945 L/min.).

4. Risers that are sized in accordance with the pipe schedule requirements of NFPA 14 listed in Chapter 35 are not subject to this requirement.

905.2.1.2 System pipe sizing: The system piping, including the horizontal or common feeder lines shall be sized for a minimum flow of 500 gpm (1,892 L/min.). Where more than one standpipe riser is required or provided, all common system piping shall be sized for a minimum flow of 500 gpm (1892 L/min.) for the first riser plus 250 gpm (945 L/min.) for each additional riser, and the total shall not be required to exceed 1,250 gpm (4731 L/min.).

Exceptions

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1. Where only 1 1/2-inch valves are provided, the supply piping shall be sized for a minimum flow of 100 gpm (378 L/min.) for each riser, and the total shall not be required to exceed 500 gpm (1892 L/min.).

2. In buildings where limited area sprinkler systems are supplied with water from a common standpipe riser, the supply piping shall be sized for a minimum flow of 500 gpm (1892 L/min.) plus the sprinkler demand for the first riser, plus 250 gpm (945 L/min.) for each additional riser, and the total shall not be required to exceed 1,250 gpm (4731 L/min.).

3. For occupancies in Group B, I, R-1 or R-2 in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, all common supply piping shall be sized for a minimum flow of 250 gpm (945 L/min.) for the first riser plus 250 gpm (945 L/min.) for each additional riser, and the total shall not be required to exceed 750 gpm (2838 L/min.).

905.2.2 Water supply: A water supply for fire department equipment shall be available to the building site. The water supply shall be capable of a minimum flow as required by Section 905.2.1.2 for a duration of 30 minutes.

905.2.2.1 Automatic water supply: An automatic water supply is required for all standpipe systems. The automatic water supply and supply piping shall be capable of delivering a flow of 500 gpm (1892 L/min.) at the residual pressure specified in Section 905.2.1 for a duration of 30 minutes.

Exceptions

1. In buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 where the highest floor is located not more than 150 feet (45720 mm) above the lowest level of fire department vehicle access, the automatic water supply is not required to exceed the requirements of NFPA 13 listed in Chapter 35.

2. Dry standpipe systems installed in open parking structures.

905.2.2.2 Interconnection: The required water supply shall be connected to the base of each standpipe riser. Where more than one standpipe riser is required, all risers shall be interconnected with a common supply line. An approved indicating valve shall be installed to permit individual risers to be taken out of service."

905.2.3 Control valves: Where a standpipe system riser also serves as the automatic sprinkler system riser in building required to have both systems or in buildings having both systems, sprinkler control valves shall be installed at each floor level at the connection to the riser.

xvi. New Section 905.3.2 shall be inserted as follows:

"905.3.2 Building area. In buildings exceeding 10,000 square feet (929 m²) in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the building's interior area is more than 200 feet (60,960 mm) of travel, vertically and horizontally, from the nearest point of fire department vehicle access.

Exceptions:

1. Buildings equipped throughout with automatic sprinkler systems installed in accordance with Section 903.3.1.1.

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2. Group A-4, A-5, F-2, R-2, S-2 or U occupancies.

3. Automatic dry and semiautomatic dry standpipes are allowed as provided for in NFPA 14.

xvii. Section 905.3.2 shall be renumbered as 905.3.3 with no change in text.

xviii. Section 905.3.3, Covered mall buildings, shall be renumbered as 905.3.4. Additionally, "or 905.3.2" shall be added after "905.3.1" in the first and second sentence.

xix. Sections 905.3.4 through 905.3.7 shall be renumbered as 905.3.5 through 905.3.8 with no change in text.

xx. In Section 905.4, Location of Class I standpipe hose connections, Items 1 and 2 shall be deleted in their entirety. Section 915.7 of the 1996 BOCA National Building Code shall be inserted as Item 1 as follows: "A standpipe hose connection shall be located at each floor level at every exit stairway, and on each side of the wall adjacent to the exit opening of a horizontal exit.

Exceptions

1. Where the floor areas adjacent to a horizontal exit are reachable from exit stairway outlets by a 30-foot (9,144 mm) hose stream from a nozzle attached to 100 feet (30,480 mm) of hose, a hose connection shall not be required at the horizontal exit.

2. Standpipe hose connections for systems required by Section 905.3.2. shall be permitted to be located only at exits such that all portions of the building floor area are not more than 200 feet (60,960 mm) from a hose connection or 200 feet (122 m) from the nearest point of fire department vehicle access."

Also, renumber Items 3 through 6 as 2 through 5. Lastly, in Item #5, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxi. Section 905.4.2, Interconnection, shall be deleted in its entirety and Section 915.7.1 of the 1996 BOCA National Building Code shall be inserted as follows "905.4.2 Location: At each floor level and not more than 5 feet (1,524 mm) above the floor, there shall be connected to each standpipe a 2 1/2 inch hose connection with valves and threads compatible with the connections used by the local fire department."

xxii. In Section 905.5.3, Class II system 1-inch hose, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxiii. Section 905.6.2, Interconnection, shall be deleted.

xxiv. In Section 906.1, Where required, Item #1 and in the exception, "and existing" shall be deleted.

xxv. In Section 907.1.1, Construction Documents, "and" shall be inserted before "the International Fire Code" and "and relevant laws ordinances, rules and regulations, as determined by the fire code official" shall be deleted.

xxvi. In Section 907.2, Where required-new buildings and structures, Exception #2 shall have "fire code official" deleted and "fire protection subcode official" shall be inserted.

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xxvii. Add new section 907.2.1.2 as follows: "907.2.1.2 Group A-2 Nightclubs. An automatic fire detection system shall be installed throughout all Group A-2 nightclubs with an occupant load of 100 or more. If the alarm is activated by smoke detectors, it shall be activated by either two cross-zoned smoke detectors within a single protected area or a single smoke detector monitored by an alarm verification zone or an approved equivalent method and the smoke detectors shall be of a type designed to reduce the possibility of false notifications based on the conditions present in the area protected. The automatic fire detection system shall be tied to the performance sound system and to the house lights in such a way that activation of the fire detection system mutes the performance sound system and restores the intensity of illumination to that required by 1006.2.

Exception: Automatic fire detection systems are not required in buildings provided with an automatic sprinkler system throughout."

xxviii. In Section 907.2.3, Group E, Exception #2.1, "with alarm verification" shall be inserted at the end of the exception and in Exception #2.5 "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxix. In Section 907.2.6, Group I, the following shall be inserted at the end of the section: "Alarms activated by smoke detectors required by this section shall be activated by a single smoke detector monitored by an alarm verification zone or an approved equivalent method."

xxx. In Section 907.2.8, Group R-1, the following shall be inserted at the end of the section: "Alarms activated by smoke detectors required by this section shall be activated by a single smoke detector monitored by an alarm verification zone or an approved equivalent method."

xxxi. In Section 907.4.2.5, Protective covers, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxii. In Section 907.5.1, Presignal feature, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxiii. Section 907.5.2.3.2, Employee work area, is deleted in its entirety.

xxxiv. In Section 909.5.1, Leakage area, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxv. In Section 909.7, Airflow design method, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxvi. In Section 909.8, Exhaust method, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxvii. In Section 909.9, Design fire, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxviii. In Section 909.10, Equipment, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xxxix. In Section 909.11, Power systems, "Chapter 27 of this code" shall be deleted and "the electrical subcode, *N.J.A.C. 5:23-3.16*" shall be inserted.

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xl. In Section 909.15, Control diagrams, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xli. In Section 909.18.8.3, Reports, "The report shall be reviewed by the responsible registered design professional and, when satisfied that the design intent has been achieved, the responsible registered design professional shall seal, sign, and date the report" shall be deleted.

xlvi. In Section 909.18.8.3.1, Report filing, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xlvi. In Section 909.19, System acceptance, in the exception, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

xlvii. In Section 909.20.6.2, Standby power, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

xlviii. In Section 909.20.6.3, Acceptance and testing, "building official" shall be deleted and "fire protection subcode official" shall be inserted.

xlix. In Section 912.1, Installation, insert the following at the end of the section:

"Exceptions

1. Limited area sprinkler systems supplied from the domestic water system.

2. Where the local fire department approves a single connection for a large diameter hose of at least four inches (102 mm).

3. An automatic sprinkler system with less than 20 sprinklers."

l. New section 912.2, Connections, shall be inserted as follows:

"912.2 Connections: Fire department connections shall be arranged in such a manner that the attachment to any one sprinkler connection will serve all sprinklers, and the attachment to any one standpipe connection will serve all standpipes within the building.

Exception: Fire protection systems in high rise buildings designed with a low zone and a high zone may be provided with a connection for each zone."

li. Section 912.2, Location, shall be renumbered as 912.3 with no change in text. Additionally, Section 912.2.2, Existing buildings, shall be deleted in its entirety.

lii. New Section 912.4, Height, shall be inserted as follows:

"912.4, Height Fire department connections shall not be less than 18 inches (457 mm) and more than 42 inches (1,067 mm) in elevation, measured from the ground level to the centerline of the inlets."

l. Sections 912.3, Access and 912.4, Signs shall be renumbered as 912.5 and 912.6 respectively, with no change in text.

li. Section 912.5, Backflow protection, shall be renumbered as 912.7. Also, "International Plumbing Code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

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lii. New Section 912.6, Projection, shall be inserted as follows: "912.6 Projection. Where the fire department connection will otherwise project beyond the property line or into the public way, a flush-type fire department connection shall be provided."

liii. Section 913.4.1, Test outlet valve supervision, shall be deleted.

10. Chapter 10, Means of Egress, shall be amended as follows:

i. The terms "Type A unit," "Type B unit," and "Accessible Unit" shall be deleted and "an Adaptable or Accessible Unit" shall be inserted in the following sections: Section 1008.1.1, Exception 7; Section 1008.1.5, Exceptions 3 and 5; Section 1008.1.7, Exception; Section 1008.1.8, Exception 3; Section 1010.6.3, Exception 1; and Section 1010.6.4, Exception.

ii. In Section 1002, Definitions, in the definition of "Merchandise Pad," "as indicated in Section 105.2" shall be deleted.

iii. In Section 1003.2, Ceiling height, "7 feet 6 inches (2286 mm)" shall be deleted and "7 feet (2134 mm)" shall be inserted.

iv. In Section 1003.5, Elevation change, in Exceptions 1, 2, and 3, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

v. In Section 1004.1.1, Areas without fixed seating, the exception shall be deleted in its entirety.

vi. In Section 1004.2, Increased occupant load, "7 square feet (.65 m<2>)" shall be deleted and "5 square feet (.47 m<2>)" shall be inserted.

vii. In Section 1006.3, Illumination emergency power, in the last sentence of the last paragraph, "Section 2702" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

viii. In Section 1007.3, Stairways, Exception 3 shall be deleted.

ix. In Section 1007.4, Elevators, Exception 2 shall be deleted.

x. In Section 1007.5, Platform lifts, in the first sentence, "Section 1109.7, Items 1 through 9" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted. In the second sentence, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

xi. In Section 1008.1, Size of Doors, Exception 8 shall be deleted.

xii. In Section 1008.1.4.5, Security grilles, "In Groups B, F, M, and S" shall be deleted and "horizontal" shall be capitalized.

xiii. In Section 1008.1.5, Floor elevation, in Exception 3, "7.75 inches (197 mm)" shall be deleted and "8.25 inches (210 mm)" shall be inserted.

xiv. In Section 1008.1.7, Thresholds, in the exception, "7.75 inches (197 mm)" shall be deleted and "8.25 inches (210 mm)" shall be inserted. In the same exception, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

xv. In Section 1008.1.9.1, Hardware, "locks" shall be deleted. In the same section, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

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xvi. Section 1008.1.9.3, Locks and latches, shall be amended as follows: In Item 2, "Group A having an occupant load of 300 or less" shall be deleted. In the same item, "and in places of religious worship" shall be deleted. In the same section, Item 6 shall be inserted as follows: "6. Key operation shall be permitted from a dwelling unit provided that the key cannot be removed from the lock when the door is locked from the side from which egress is made."

xvii. In Section 1008.1.9.7, Delayed egress locks, "E" shall be deleted.

xviii. Section 1008.1.9.8, Electromagnetically locked egress doors, shall be deleted.

xix. In Section 1008.1.10, Panic and fire exit hardware, the exception shall be deleted in its entirety.

xx. In Section 1009.4.2, Stair tread and risers, Exception 5, change the maximum riser height from "7.75 inches (197 mm)" to "8.25 inches (210 mm)", change the minimum tread depth from "10 inches (254 mm)" to "9 inches (229 mm)" and change the minimum winder tread depth at the walk line from "10 inches (254 mm)" to "9 inches (229 mm)." In the same section, Exception 6 shall be deleted.

xxi. In Section 1009.11, Ship ladders, ", in buildings of Group F, H and S from mezzanines not more than 250 square feet (23 m<2>) in area and which serves not more than 5 occupants" shall be inserted after "occupants" in the first sentence.

xxii. In Section 1011.4, Internally illuminated exit signs, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

xxiii. In Section 1011.5.3, Power source, in the last sentence, "Chapter 27" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

xxiv. In Section 1012.2, Height, add the following text: "Exception: For occupancies of Group R-3, and within individual dwelling units in occupancies of Group R-2, handrails shall have a minimum height of 30 inches and a maximum height of 38 inches measured vertically from the nosing of the treads."

xxv. In Section 1012.4, Continuity, Exception 4 shall be deleted.

xxvi. In Section 1013.2, Height, insert new Exception 1 as follows: "For occupancies in Group R-3 and within individual dwelling units in occupancies of Group R-2, porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height." In the same section, Exceptions 1 through 4 shall be renumbered as 2 through 5. Additionally, in Exception 3, "34 inches (864mm)" shall be deleted and "30 inches (762 mm)" shall be inserted.

xxvii. Section 1014.2.5, Exit access through suites, shall be deleted.

xxviii. In Section 1015.1, Exits or exit access doorways from spaces, in the exception to Item 1, the first sentence in the exception shall be numbered "1." and "and R-3" shall be deleted. In the same sentence, "20" shall be deleted and "10" shall be inserted. In addition, a new exception shall be inserted as follows: "2. In buildings of Group R-3 occupancy".

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xxix. In Section 1016.1, Travel distance limitations, Exceptions 3 and 4 shall be deleted. In the same section, in the last paragraph "Where applicable" shall be deleted and "When permitted by Section 1022.1" shall be inserted.

xxx. In Section 1017.2, Aisles in Groups B and M, in the exception, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

xxxi. In Table 1018.1, Corridor Fire Resistance Rating, under the heading "Occupancy," "U" shall be deleted from the third row. In addition, "Not Permitted" shall be deleted from the fifth row and "1" shall be inserted.

xxxii. In Section 1021.1, Exits from stories, delete Exception 3 and renumber Exceptions 4 and 5 as 3 and 4. In new Exception 3, delete "and R-3". In the same exception, "20" shall be deleted and "10" shall be inserted. Insert new Exception 5 as follows: "5. In buildings of Group R-3 occupancy".

xxxiii. In Table 1021.2, Stories with One Exit, under the heading "Occupancy," "U" shall be deleted from the first row.

xxxiv. In Section 1022.1, Enclosures required, in Exception 1 after "occupant load of less than 10" insert "or serves four or fewer dwelling units".

xxxv. In Section 1028.1.1, Bleachers, after "ICC 300", insert "Chapters 2, 3 and 4".

xxxvi. At Section 1028.2, entitled "Assembly main exit", add the text "other than nightclubs," after "Group A occupancies" at the beginning of the first sentence.

(1) In the exception, after "In assembly occupancies" insert "other than nightclubs".

xxxvii. Add new section 1028.2.1 as follows:

"1028.2.1 Group A-2 Nightclubs. Buildings or portions thereof of Group A-2 nightclubs with an occupant load of 100 or more shall have a main entrance capable of serving as the main exit with an egress capacity for at least one-half the total occupant load. The remaining exits shall be capable of providing two-thirds of the total required exit capacity. Buildings or portions thereof of Group A-2 nightclubs with an occupant load of more than 300 shall have a main entrance capable of serving as the main exit with an egress capacity for at least two-thirds of the total occupant load. The remaining exits shall also be capable of providing two-thirds of the total required exit capacity."

xxxviii. Section 1029.1, General, shall be amended as follows: In the second sentence, "Basements and" shall be deleted and "sleeping" shall be capitalized. In the same section, Exception 4 shall be deleted its entirety. In Exception 6, "basements or" shall be deleted. In addition, Exception 7 shall be deleted in its entirety.

11. Chapter 11, Accessibility, shall be deleted in its entirety.

12. Chapter 12, Interior Environment, shall be amended as follows:

i. Section 1204, Temperature Control, shall be deleted in its entirety.

13. Chapter 13, Energy Efficiency, shall be deleted in its entirety.

14. Chapter 14, Exterior Walls, shall be amended as follows:

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i. In Section 1405.11.4, Grounding, "Chapter 27 of this code and the ICC Electrical Code" shall be deleted and "the electrical subcode, *N.J.A.C. 5:23-3.16*" shall be inserted.

15. Chapter 15, Roof Assemblies and Rooftop Structures, shall be amended as follows:

i. In Section 1503.4, Roof drainage, ""International Plumbing Code" shall be deleted and "plumbing subcode, *N.J.A.C. 5:23-3.15*" shall be inserted.

ii. In Table 1505.1, Minimum Roof Covering Classification for Types of Construction, Note a shall be deleted in its entirety. In addition, at Note b, "and U" shall be deleted from the first sentence.

iii. In Section 1507.2.8.2, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

iv. In Section 1507.5.4, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

v. In Section 1507.6.4, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

vi. In Section 1507.7.4, Ice barrier, "or where there has is a possibility of ice forming along the eaves causing a backup of water," shall be deleted.

vii. In Section 1507.8.4, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

viii. In Section 1507.9.4, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

16. Chapter 16, Structural Design, shall be amended as follows:

i. New Section 1603.2, Restrictions on loading, from Section 1603.2 of the 2006 International Building Code, shall be inserted as follows: "It shall be unlawful to place, or cause to permit to be placed, on any floor or roof of a building, structure or portion thereof, a load greater than is permitted by these requirements."

ii. In Table 1607.1, Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads, at Note g, "building official" shall be deleted and "design professional" shall be inserted.

iii. Section 1607.9, Reduction in live loads, shall be amended as follows: In the first sentence, "and applied" shall be inserted after "reduced." After the first sentence, "The method chosen shall be applied throughout the building." shall be inserted.

iv. In Section 1607.9.1.4, Group A occupancies, "and Group E" shall be added to the title of the section and after "Group A" insert "and Group E".

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v. In Section 1607.9.2, Alternate floor live load reduction, Item 1, "or Group E" shall be inserted after "Group A."

vi. In Section 1611.1, Design rain load, the second sentence shall be deleted and "The design rainfall rates shall be based on the plumbing subcode, *N.J.A.C. 5:23-3.15*." shall be inserted.

vii. In Section 1611, Rain loads, Figure 1611.1, "100-year, 1-hour rainfall (inches)" shall be deleted.

viii. In Section 1612.1, General, in the first sentence, "including substantial improvement and restoration of substantial damage to buildings and structures" shall be deleted.

ix. Section 1613.3, Existing building, shall be deleted in its entirety.

17. Chapter 17, Structural Tests and Special Inspections, shall be amended as follows:

i. In Section 1701.1, Scope, "shall apply to Class I buildings and smoke control systems in all buildings and" shall be inserted after "chapter."

ii. Section 1702.1, General, shall be amended as follows: In the title, "/Special Inspector" shall be inserted after "Agency." In the first sentence, "or design professional acting as the approved agency" shall be inserted after "agency." At the end of the definition, add the sentence, "Special inspectors shall be certified in accordance with the administrative provisions of the Uniform Construction Code."

iii. Section 1703.1, Approved agency, shall be amended as follows: In the first sentence, "Upon the request of the construction official" shall be inserted before "An." In the same sentence, "building official" shall be deleted and "construction official" shall be inserted and "applicable" shall be deleted and "following" shall be inserted.

iv. Add new section 1703.1.4 as follows: "1703.1.4 Certification. An approved agency shall employ personnel certified in accordance with the administrative provisions of the Uniform Construction Code, to conduct, supervise and evaluate tests or inspections."

v. In Section 1703.6, Evaluation and follow-up inspection, "in accordance with *N.J.A.C. 5:23-4.26*" shall be inserted after the second "assembly."

vi. Section 1704.1, General, shall be amended as follows: In the first sentence of the first paragraph, "the registered design professional" shall be deleted and "person" shall be inserted. Also, in the first sentence of the first paragraph, "of Class 1 buildings only or any building containing a smoke control system" shall be inserted after "construction." In the second sentence of the second paragraph, "the registered design professional" shall be deleted and "person" shall be inserted.

vii. Section 1704.1.2, Report requirement, shall be amended as follows: In the second sentence, "building official" shall be deleted and "construction official" shall be inserted and "registered design professional" shall be deleted and "person" shall be inserted. In the same sentence, "in accordance with *N.J.A.C. 5:23-2.21(c)*" shall be inserted after "charge." In the fifth sentence, "building official" shall be deleted and "construction official" shall be inserted and "registered design professional" shall be deleted and "person" shall be inserted. In the last sentence, "building official" shall be deleted and "construction official" shall be inserted.

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- viii. In Section 1704.3, Steel construction, "the on-site erection of" shall be inserted after "for."
- ix. In Table 1704.3, Required Verification and Inspection of Steel Construction, Items 1, 3, and 4 shall be deleted.
- x. In Section 1704.5, Masonry construction, "in Seismic Design Category D" shall be inserted after the word "construction" within the text. In the same section, in Exception 2, the reference to "Table 1807.1.6.3(1)" shall be deleted.
- xi. Section 1704.6, Wood construction, shall be deleted in its entirety.
- xii. In Section 1705.3, Seismic resistance, "for Seismic Design Category D buildings" shall be inserted after "inspections."
- xiii. Sections 1705.4, Wind resistance; 1705.4.1, Wind requirements in the statement of special inspections; and 1705.4.2, Detailed requirements, shall be deleted in their entirety.
- xiv. Section 1706, Special inspection for wind requirements, shall be deleted.
- xv. In Section 1707.1, Special Inspections for Seismic Resistance, in items 1 and 3, "C," shall be deleted in reference to seismic design categories.
- xvi. In Section 1707.7, Mechanical and Electrical Components, in items 1, 3, 4 and 5, "C," shall be deleted in reference to seismic design categories.
- xvii. Section 1708.3, Structural steel, shall be deleted.
- xviii. In Section 1709.1, Contractor responsibility, in the first sentence, "main - wind- or" shall be deleted. In addition, in the same sentence, "or a wind-" shall be deleted.
- xix. Section 1710, Structural Observations, shall be deleted in its entirety.
- 18. Chapter 18, Soils and Foundations, shall be amended as follows:
 - i. Section 1803.3.1, Scope of investigation, shall be amended as follows: After the first sentence, the following sentence from Section 1802.1 of the 1996 BOCA National Building Code shall be inserted: "There shall be at least one exploratory boring to rock or to an adequate depth below the load-bearing strata for every 2,500 square feet (232 m²) of built-over area, and such additional tests as the code official requires."
 - ii. In the title of Section 1803.5.11, "C" shall be deleted and "D" shall be inserted. In the first sentence, the reference to "C" shall be deleted.
 - iii. New Section 1803.5.13 from Section 1802.1 of the 1996 BOCA National Building Code shall be inserted as follows: "Building Height: For all buildings that are more than three stories or 40 feet (12,192 mm) in height above the grade plane, the building official shall request soil tests."
 - iv. In Section 1805.4.3, Drainage discharge, "International Plumbing Code" shall be deleted and "plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.
 - v. New Section 1807.4 from Section 1813.8 of the 1996 BOCA National Building Code shall be inserted as follows: "1807.4 Erosion protection: Where water impacts the ground from the edge of the roof, downspout, scupper or other rain water collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation."

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vi. Section 1809.4, Depth and width of footings, shall have the following exceptions added:

"Exceptions:

1. Garden-type utility sheds and similar structures that are 100 square feet or less in area, 10 feet or less in height and accessory to structures of Group R-2, R-3 or R-4 and does not contain a water, gas, oil or sewer connection. These structures shall be of sufficient weight to remain in place or shall be anchored to the ground.

2. Garden-type utility sheds and similar structures that are greater than 100 square feet, but not more than 200 square feet in area, 10 feet or less in height and accessory to structures of Group R-2, R-3 or R-4 provided the shed is dimensionally stable without the foundation system and does not contain a water, gas, oil or sewer connection. A shed shall be considered dimensionally stable if it is provided with a floor system that is tied to the walls of the structure such that it reacts to loads as a unit. These structures shall be of sufficient weight to remain in place or shall be anchored to the ground."

vii. New Section 1810.3.1.7 from Section 1816.9 of the 1996 BOCA National Building Code shall be inserted as follows: "Spacing: The minimum center-to-center spacing of piles shall not be less than twice the average diameter of a round pile, nor less than 1 3/4 times the diagonal dimension of a rectangular pile. Where driven to or penetrating into rock, the spacing shall not be less than 24 inches (610 mm). Where receiving principal support at the end from materials other than rock, or through friction resistance, the spacing shall not be less than 30 inches (762 mm) except that for piles having enlarged bases formed either by compacting concrete or driving a pre-cast base, the minimum center-to-center spacing shall be 4 1/2 feet (1,372 mm). The spacing of piles shall be such that the average load on the supporting strata will not exceed the safe load-bearing value of those strata as determined by test borings or other approved methods."

viii. In Section 1810.3.3.1.3, Load test evaluation methods, Item 4 shall be deleted.

ix. In Section 1810.3.13, Seismic ties, in the exception, "and U" and "subject to approval of the building official" shall be deleted.

19. Chapter 23, Wood, shall be amended as follows:

i. In Section 2303.4.1.4.1, Truss design drawings, "Where required by the registered design professional, the building official, or the statutes of the jurisdiction in which the project is to be constructed," shall be deleted.

ii. In Section 2303.4.2, Truss placement diagram, in the last sentence, "that serve only as a guide for installation and do not deviate from the permit submittal drawings" shall be deleted.

iii. New Section 2303.4.8, entitled "Truss Identification," shall be inserted as follows: "Each truss shall be labeled or otherwise indelibly marked at the factory with the individual truss number as assigned in the truss layout plan. The indelible marking or label shall be located on the bottom chord of the truss, inside the bearing points. When indelible markings are used, each digit shall be not less than one inch high. When labels are used, the label shall be a minimum of five inches by three inches and shall be affixed to the truss by a truss plate. Labels shall remain affixed to the truss."

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iv. In Table 2306.2.1(2), Allowable shear for wood structural panel blocked diaphragms utilizing multiple rows of fasteners (high load diaphragms) with framing of Douglas fir larch or southern pine for wind or seismic loading, Note g shall be deleted.

v. In Section 2308.1, General, the last sentence shall be deleted.

20. Chapters 27, Electrical; 28, Mechanical Systems; and 29, Plumbing, shall be deleted in their entirety.

21. Chapter 30, Elevators and Conveyor Systems, shall be amended as follows:

i. In Section 3001.1, Scope, "and, where applicable, *N.J.A.C. 5:23-12* shall" shall be inserted after "chapter." In addition, "governs" shall be deleted and "govern" shall be inserted.

ii. In Section 3001.2, Referenced standards, "ASME A17.1/CSA B44" shall be deleted and "ASME A17.1 with the exception of Sections 1.1.3 and 1.2, Sections 5.8 and 5.9, Sections 7.4 through 7.7 and Sections 7.9 through 7.11; ASME A17.1 Appendixes L, N, and P; ASME A18.1" shall be inserted after "shall conform to" in the fourth sentence.

iii. In Section 3001.3, Accessibility, "Chapter 11" shall be deleted and "the barrier free subcode (*N.J.A.C. 5:23-7*)" shall be inserted.

iv. In Section 3001.4, Change in use, "Section 8.7 of ASME A17.1/CSA B44" shall be deleted and "ASME A17.1" shall be inserted.

v. New Section 3002.4.1, Elevators in newly constructed multiple dwellings, shall be inserted as follows: "When an elevator is installed in any newly constructed multiple dwelling regardless of height, the elevator shall meet the dimensional requirements above."

vi. In Section 3002.5, Emergency doors, "ASME A17.1/CSA B44" shall be deleted and "ASME A17.1" shall be inserted.

vii. In Section 3003.2, Fire-fighters' emergency operation, "ASME A17.1/CSA B44" shall be deleted and "ASME A17.1" shall be inserted.

viii. New Section 3003.3, Standardized fire service keys, shall be inserted as follows: "All new elevators shall be equipped to operate with a standardized fire service key."

ix. In Section 3004.3, Area of vents, in the last sentence, "annealed glass" shall be deleted and "plain glass" shall be inserted.

x. In Section 3004.4, Plumbing and mechanical systems, in the exception, "without an oil-water separator" shall be inserted at the end of the sentence. In addition, the following sentence shall be inserted: "The discharge shall not be directly or indirectly connected to the sanitary drainage system."

22. Chapter 31, Special Construction, shall be amended as follows:

i. New Section 3102.3.2, which shall be the text of Section 3104.6 of the 1996 BOCA National Building Code, shall be inserted as follows: "Certification: An affidavit or affirmation shall be submitted to the code official and a copy retained on the premises on which the tent or air-supported structure is located. The affidavit or affirmation shall attest to the following information relative to the flame-resistance of the fabric:

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1. Names and addresses of the owners of the tent or air-supported structure.
2. Date the fabric was last treated with flame-resistant solution.
3. Trade name or kind of chemical used in treatment.
4. Name of person or firm treating the material.
5. Name of testing agency and test standard by which the fabric was tested."

ii. Section 3103.1.1 shall be deleted in its entirety and the following shall be inserted:

"Temporary structures, tents, tensioned membrane structures, and canopies meeting the criteria in *N.J.A.C. 5:23-2.14* shall not require a permit. Greenhouses meeting the criteria in *N.J.A.C. 5:23-3.2(d)* shall not require a permit."

iii. In Section 3104.2, Separate structures, Exception 2 shall be deleted.

iv. Section 3109.4.1.8, Dwelling wall as barrier, shall be deleted in its entirety.

v. In Section 3109.4.1.9, Pool structure as barrier, "either shall be capable of being secured, locked or removed to prevent access, or the ladder or steps" shall be deleted. In addition, the last sentence shall be deleted.

vi. Section 3110, Automatic Vehicular Gates, shall be renumbered as 3111 and new Section 3110.0, "Swimming pools and spas" shall be inserted as follows:

3110.0 Swimming pools and spas. Swimming pools and spas shall be constructed in accordance with section 3110.1 through 3110.6.

3110.1 Public swimming pools. Public swimming pools shall be designed and constructed in conformance with ANSI/APSP-1 as listed in Chapter 35.

3110.2 Public spas. Public spas shall be designed and constructed in conformance with ANSI/APSP-2 as listed in Chapter 35.

3110.3 Permanently installed residential spas. Permanently installed residential spas shall be designed and constructed in conformance with ANSI/APSP-3 as listed in Chapter 35.

3110.4 Above-ground and on-ground residential swimming pools. Above-ground and on-ground residential swimming pools shall be designed and constructed in conformance with ANSI/APSP-4 as listed in Chapter 35.

3110.5 Residential in-ground swimming pools. Residential in-ground swimming pools shall be designed and constructed in conformance with ANSI/APSP-5 as listed in Chapter 35.

3110.6 Portable spas. Portable spas shall be designed and constructed in conformance with ANSI/APSP-6 as listed in Chapter 35.

23. Chapter 32, Encroachments into the Public Rights of Way, shall be amended as follows:

i. In Section 3202.1.2, Vaults and other enclosed spaces, "authority or legislative body having jurisdiction" shall be deleted and "Uniform Construction Code (*N.J.A.C. 5:23*)" shall be inserted.

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ii. In Section 3202.3.4, Pedestrian walkways, "applicable governing authority" shall be deleted and "the construction official" shall be inserted.

iii. In Section 3202.4, Temporary encroachments, "applicable governing authority" shall be deleted and "municipality" shall be inserted.

24. Chapter 33, Safeguards During Construction, shall be amended as follows:

i. Sections 3303.1, Construction documents; 3303.2, Pedestrian protection; 3303.4, Vacant lot; 3303.5, Water accumulation; and 3303.6, Utility connections, shall be deleted in their entirety.

ii. In Section 3306.2, Walkways, "Chapter 11" shall be deleted and "the barrier free subcode, *N.J.A.C. 5:23-7*" shall be inserted.

iii. Section 3307.1, Protection required, shall be deleted in its entirety and the following shall be inserted: "Protection of adjoining properties shall be in accordance with *N.J.A.C. 5:23-2.34*."

iv. In the last sentence of Section 3309.1, Where required, "On construction sites," shall be inserted before "All." In addition, in the last sentence, "Section 906" shall be deleted and "the International Fire Code" shall be inserted.

25. Chapter 34, Existing Structures, shall be amended as follows:

i. Sections 3401, General; 3402, Definitions; 3403, Additions; 3404, Alteration; 3405, Repairs; 3406, Fire Escapes; 3407, Glass Replacement; 3408, Change of Occupancy; 3409, Historic Buildings; 3410, Moved Structures; and 3411, Accessibility for Existing Buildings, shall be deleted.

ii. Section 3412, Compliance Alternatives, shall be deleted with the exception of Section 3412.6, Evaluation Process, which shall be amended as follows:

(1) "in accordance with *N.J.A.C. 5:23-6.2(c)4*" shall be inserted at the end of the first sentence.

26. Chapter 35, Referenced Standards, shall be amended as follows:

i. Under the heading APSP, the following APSP Standards shall be inserted: "ANSI/APSP-1-03, Public Swimming Pools, ANSI/APSP-2-99, Public Spas, ANSI/APSP-3-99, Standard for Permanently Installed Residential Spas, ANSI/APSP-4-07, Standard for Above-Ground/On-Ground Residential Swimming Pools, ANSI/APSP-5-03, Standard for Residential In-ground Swimming Pools, and ANSI/APSP-6-99, Standard for Portable Spas."

ii. Under the subheading "ACI 318-08," "Section 1708.3" shall be deleted.

iii. Under the subheading "AISC 341-05," "Section 1708.3" shall be deleted.

iv. Under the subheading "AWS D1.1-04," "Section 1708.3" shall be deleted.

27. The Appendices shall be amended as follows:

i. Appendix A, Employee Qualifications; Appendix B, Board of Appeals; Appendix C, Group U-Agricultural Buildings; Appendix D, Fire Districts; Appendix E, Supplementary Accessibility Requirements; Appendix F, Rodent Proofing; and Appendix G, Flood Resistant Construction, shall be deleted in their entirety.

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ii. In Appendix H, at the beginning of the Appendix, the sentence, "The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance," shall be deleted in its entirety.

(1) In Appendix H, Section H101.2, Signs exempt from permits, shall be deleted in its entirety.

(2) In Appendix H, Section H105.2, Permits, drawings and specifications, "as provided in Chapter 1" shall be deleted and "as provided in *N.J.A.C. 5:23-2.14*" shall be inserted.

iii. Appendix I, Patio Covers, Appendix J, Grading, and Appendix K, Administrative Provisions, shall be deleted in their entirety.

§ 5:23-3.15 Plumbing subcode

(a) Rules concerning subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the Model Code of the Plumbing Heating-Cooling Contractors--National Association, known as "The National Standard Plumbing Code/2009," as the plumbing subcode for New Jersey.

i. Copies of this code may be obtained from the sponsor at: PHCC-NA, P.O. Box 6808, Falls Church, VA 22046.

2. "The National Standard Plumbing Code/2009," including appendices, may be known and cited as "the plumbing subcode."

(b) The following pages, chapters, sections or appendices of the plumbing subcode shall be amended as follows:

1. The section entitled "Administration," comprising sections ADM 1.1 through ADM 1.13, is deleted in its entirety.

2. Chapter 1 of the plumbing subcode, entitled "Definitions," shall be amended as follows:

i. Delete the term and definition of "Adopting Agency."

ii. Amend the definition of "approved" as follows: delete "Sec. 3.12" and insert "*N.J.A.C. 5:23-3.7*."

iii. Delete the definition of "Authority Having Jurisdiction" and insert the following: "Unless otherwise defined herein, or unless the context clearly indicates otherwise, the term "authority having jurisdiction" for purposes of the plumbing subcode, shall mean the "plumbing subcode official."

iv. The definition of the term "building" is deleted, and substitute in lieu thereof, the definition of the term "building" found in *N.J.A.C. 5:23-1.4*.

v. In the definition of "Building Classification" delete "authority having jurisdiction" and insert "building subcode" at *N.J.A.C. 5:23-3.14*.

vi. The term and definition of "code" are deleted.

vii. The term and definition of "family" are deleted.

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viii. The definition of "hot water" shall be deleted and the following definition shall be inserted:
"Hot Water: Potable water at a temperature of not less than 120 degrees F and not more than 140 degrees F.

ix. The definition of "Dead End, Potable Water" shall be deleted in its entirety.

x. The definition of "tempered water" shall be amended as follows: before "temperature," delete "desired" and after "temperature," delete "for its intended use, typically" and insert "of."

xi. The term and definition of "nuisance" are deleted.

xii. Add the following new definition after the definition of Swimming Pool: Swimming Pool, Public: A swimming pool located on any property other than a one or two family residential property and including, but not limited to, swimming pools open to the use of members, residents or the public.

3. Chapter 2 of the plumbing subcode, entitled "General Regulations," shall be amended as follows:

i. Section 2.5 is deleted in its entirety.

ii. In Section 2.9.3 delete "Building Code or as required by the proper Authority Having Jurisdiction" and insert "building subcode."

iii. In Section 2.11, Piping materials exposed within plenums, "Codes" shall be deleted and "subcodes" shall be inserted.

iv. In Section 2.12, Sleeves, subparagraph e, "regulations" shall be deleted and "subcode" shall be inserted.

v. In Section 2.16, Freezing or overheating, at item 1, "42" shall be inserted in the blank space provided. Additionally, the following shall be inserted: "Combination domestic/fire water service piping shall be installed such that the minimum earth cover is 42 inches or the top of the pipe is 12 inches below the frost depth of the locality, whichever is greater. Limited-area sprinkler systems installed in accordance with Section 903.3.5.1.1 of the building subcode, shall be installed such that the minimum earth cover is 42 inches." In the same section, at Item 2, "24" shall be inserted in the blank space provided. In addition, in the third line of Item 2, "6" shall be inserted in the blank space provided.

vi. Section 2.19.1 is amended to delete the blank and the words "feet of any property line of the premises, or other."

vii. Section 2.19.2 is amended to delete the words "the Health Department or other agency having jurisdiction" and substitute in lieu thereof "The New Jersey Department of Environmental Protection."

viii. In Section 2.23, Dead Ends, subsection b shall be deleted.

ix. Section 2.24, Toilet facilities for construction workers, shall be deleted in its entirety.

4. Chapter 3 of the plumbing subcode, entitled "Materials," shall be amended as follows:

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i. In Section 3.1.1 delete "Minimum." In the same section at items (1) and (2), delete "Section 3.12.2" and insert "*N.J.A.C. 5:23-3.7*."

ii. In Section 3.1.2, at Item a, delete "at least." In the same section, delete "Section 3.12" and insert "*N.J.A.C. 5:23-3.7*."

iii. In Section 3.1.3, Standards applicable to plumbing materials, "Section 3.12.2" shall be deleted and "*N.J.A.C. 5:23-3.7*" shall be inserted.

iv. In Section 3.1.3, Standards Applicable to Plumbing Materials, in the "Note," the following shall be inserted: APSP--The Association of Pool and Spa Professionals, 2110 Eisenhower Avenue, Alexandria, VA 22314, tel: 703-838-0083, fax: 703-549-0493.

v. In Table 3.1.3, Standards for Approved Plumbing Materials and equipment, Part XI, Practices and Standards for Qualifications, Installation and Testing, insert: "20. Entrapment Avoidance for Swimming Pools, Spas and Hot Tubs: APSP-7 - 2006."

vi. Section 3.3.8a is amended to add the following phrase: "Pressure vessels shall be designed and constructed in accordance with the requirements of the American Society of Mechanical Engineers (ASME, Rules for Construction of Pressure Vessels, Section VIII/2004. Any pressure vessel that exceeds any of the following, shall meet the requirements of ASME and shall be stamped ASME: A heat input rating of 200,000 BTU per hour; or a water temperature of 200 degrees Fahrenheit; or a nominal water capacity of 120 gallons or any other thresholds of ASME that apply.

vii. Section 3.3.11 entitled "Septic Tanks" is deleted in its entirety.

viii. Add new section 3.4.2.1 as follows: 3.4.2.1 Combination Domestic/Fire Water Service: Water service piping for combination domestic/fire water services shall be of materials listed in Table 3.4 and shall be water pressure rated not less than 200 psig at 73[degrees]F. Joint restraints shall comply with Section 6.3, entitled "Joint Restraint for Fire Mains" per NFPA 13.

Exception: Limited area sprinkler systems installed in accordance with Section 903.3.5.1.1 of the building subcode, shall be water pressure rated not less than 160 psig at 73[degrees]F.

ix. Section 3.12, Alternate materials and methods, shall be deleted in its entirety.

5. Chapter 4 of the plumbing subcode entitled, "Joints and Connections" is amended as follows:

i. In Section 4.3.8(b)(3) delete "be approved by the Authority Having Jurisdiction if such products are not listed or labeled" and insert "or as permitted under *N.J.A.C. 5:23-3.7*."

6. Chapter 5 of the plumbing subcode entitled, "Traps, Cleanouts and Backwater Valves," shall be amended as follows:

i. In Section 5.3.2, Trap seals, in Exception (2), "in accordance with *N.J.A.C. 5:23-3.3*" shall be inserted after "Authority Having Jurisdiction."

ii. In Section 5.3.4, Building traps, "in accordance with *N.J.A.C. 5:23-3.3*" shall be inserted after "Authority Having Jurisdiction."

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7. Chapter 6 of the plumbing subcode, entitled "Liquid Waste Treatment Equipment," shall be amended as follows:

- i. At the end of Section 6.1.1, Where required, the following shall be inserted: "The determination of necessity shall be made by the plumbing subcode official in accordance with *N.J.A.C. 5:23-3.3*."
- ii. Section 6.4.4 is amended to add the phrase "in accordance with *N.J.A.C. 5:23-3.3*" after the word "approval" on line 2.

8. Chapter 7 of the plumbing subcode, entitled "Plumbing Fixtures, Fixture Fittings and Plumbing Appliances," shall be amended as follows:

- i. Section 7.2 is amended to read "Plumbing fixtures for accessible use and their installation shall conform to the requirements of *N.J.A.C. 5:23-7 et. seq.*"
- ii. In Section 7.4.4, Bowl height, Exception (2) and Exception (3) shall be deleted and the following text shall be inserted: "Accessible water closets shall conform to the requirements of *N.J.A.C. 5:23-7 et seq.*"
- iii. At the end of Section 7.18.2 after "Authority Having Jurisdiction" insert "in accordance with *N.J.A.C. 5:23-3.3*."
- iv. Note 1 to Table 7.21.1 is amended to delete the words "For accessible requirements, see local, state, or national codes." in the second sentence.

v. Figure 7.3.2 is amended to delete the word "Code" and substitute in lieu thereof "Subcode" in the block at bottom.

vi. Section 7.23, Safety features for spas and hot tubs, shall be deleted and Section 7.23, Safety features for swimming pools, spas and hot tubs, shall be inserted as follows:

"7.23 Safety Features for Swimming Pools, Spas and Hot Tubs.

7.23.1 Entrapment avoidance. Suction outlets shall be designed and installed in accordance with ANSI/APSP-7."

9. Chapter 8 of the plumbing subcode, entitled "Hangers and Supports," shall be amended as follows:

- i. In Section 8.9, Seismic supports for piping, "code" shall be deleted and "subcode" shall be inserted.

10. Chapter 10 of the plumbing subcode, entitled "Water Supply and Distribution," shall be amended as follows:

- i. In Section 10.2 after "Authority Having Jurisdiction" insert "in accordance with *N.J.A.C. 5:23-3.3*".
- ii. In Section 10.4.2 delete "with the approval of the Authority Having Jurisdiction" and insert "in accordance with the rules of the New Jersey Department of Environmental Protection at *N.J.A.C. 7:10-10*";

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iii. Section 10.4.3 is amended to read: "Potable water supplies shall be protected in accordance with the provisions of this code and where applicable the Safe Drinking Water Regulations (*N.J.A.C. 7:10*). The requirements of this code shall establish requirements for individual outlet protection. The requirements of the Safe Drinking Water Act shall establish the requirements for containment.";

iv. In Section 10.4.4, Private supplies, at Note b, "in accordance with *N.J.A.C. 7:10-10.2(e)*" shall be inserted after "Authority Having Jurisdiction."

v. Section 10.5.6d. is amended to delete the words "and repair" on the first line, and to delete the third sentence.

vi. Section 10.5.9a. Exception (4) shall be deleted and the following inserted: "(4) Where fire protection systems supplied from a potable water system include a fire department (Siamese) connection which is located less than 1,700 feet from a non-potable water source, the water supply shall be protected by one of the following:

- (i) Reduced pressure backflow preventer assembly; or
- (ii) Reduced pressure detector assembly."

vii. In Section 10.8.1 insert "as required by the Authority Having Jurisdiction" after "in accordance with good practice."

viii. Section 10.15.1, Hot water supply system, shall be amended to add the phrase "Outlet temperature of hot water from lavatory faucets in public use facility restrooms or public toilet rooms shall be provided with a means to limit the maximum temperature to 110 degrees F."

ix. Insert new section 10.20, Multi-purpose fire sprinkler systems, as follows: Section P2904, Multi-purpose fire sprinkler systems, of the 2009 International Residential Code shall be considered part of the plumbing subcode.

11. Chapter 11 of the plumbing subcode, entitled "Sanitary Drainage Systems," is amended as follows:

i. Section 11.4.3 is amended at the end to add the sentence "Diversity factors shall be established in accordance with *N.J.A.C. 5:23-3.3*."

12. Chapter 12 of the plumbing subcode, entitled "Vents and Venting," shall be amended as follows:

- i. Section 12.5 is deleted in its entirety.
- ii. Section 12.8.2 is deleted in its entirety.

13. Chapter 13 of the plumbing subcode, entitled "Storm Water Drainage," shall be amended as follows:

i. In Section 13.1.5, Foundation drains, Notes a. through d. shall be amended to read "subsoil drains shall be provided in accordance with the building subcode."

ii. Section 13.1.10.1, Primary roof drainage, shall be amended to delete the last sentence and to substitute in lieu thereof "Rainfall rates shall be applied so that the applicable rainfall rate for

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Burlington and Ocean counties and all counties south shall be six inches per hour and for Mercer and Monmouth counties and all counties north, the applicable rainfall rate shall be five inches per hour."

iii. Section 13.1.10.2, "Secondary Roof Drainage," is deleted.

14. Chapter 15 of the plumbing subcode, entitled "Tests and Maintenance" is amended as follows:

i. Add new Section 15.6.1 as follows: 15.6.1 Combination Domestic/Fire Water Service Systems: Piping for combination domestic/fire water services systems shall be pressure tested to not less than 200 psig and shall maintain that pressure without loss for 2 hours.

ii. Add new Section 15.6.1.1 as follows: 15.6.1.1 Leakage: The following provisions shall apply to buried pipe in all combination domestic/fire water service systems, except for limited sprinkler systems:

(1) The amount of leakage at the joints shall be no greater than 2 qt/hr (1.89 L/hr) per 100 joints or gaskets, regardless of pipe diameter.

(2) The amount of leakage in accordance with (1) above shall be permitted to be increased in increments of 1 fluid ounce (30 ml) per inch valve diameter per hour for each metal seated valve that isolates the test section.

(3) The amount of leakage in buried piping shall be measured at the test pressure specified by pumping from a calibrated container.

iii. Add new Section 15.9 as follows: 15.9 Flushing of Piping: Lead-in connections to system risers and fire service mains from the water supply to the system riser (excluding limited systems) shall be flushed completely before connection is made to sprinkler piping. The flushing operation shall be continued for a sufficient amount of time to ensure that the system is thoroughly cleaned. The minimum rate of flow shall be not less than one of the following:

(1) The hydraulically calculated water demand rate of the system, including any hose requirements.

(2) The flow that is necessary to provide a velocity of 10 ft/sec (3.1 m/sec).

(3) The maximum flow rate available to the system under fire conditions.

15. Chapter 16 of the plumbing subcode, entitled "Regulations Governing Individual Sewage Disposal Systems for Homes and Other Establishments Where Public Sewer Systems Are Not Available," shall be amended as follows:

i. Except as otherwise indicated in (b)15ii below, Sections 16.1 through 16.12.1.13 shall be deleted in their entirety.

ii. In Section 16.1.7, Abandoned disposal systems, insert "When an existing building is being demolished and the existing sewage disposal system is abandoned or an existing sewage disposal system is being abandoned and a connection is being made to the public sewer disposal system or new sewage disposal system, the plumbing subcode official shall ensure that the existing

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abandoned tank is disconnected from the building, pumped out, and filled with gravel, stones, or soil material."

Note: Existing standards of the Department of Environmental Protection and boards of health with respect to individual on-site sewage disposal systems remain in effect."

16. Chapter 17 of the plumbing subcode entitled, "Potable Water Supply Systems," shall be deleted in its entirety.

Note: Existing standards of the Department of Environmental Protection and boards of health with respect to individual on-site water supply systems remain in effect.

17. Chapter 18 of the plumbing subcode, entitled "Mobile Home and Travel Trailer Park Plumbing Standards," shall be amended as follows:

i. In Section 18.2.1, General, the last sentence beginning with "Trailer home park" shall be deleted.

ii. Section 18.2.2 is amended to delete the words "or sewerage disposal" on line 1.

iii. Section 18.5.8 is amended to add the phrase "and as provided by the authority having jurisdiction" after the words "chapter 10 of this code."

iv. Section 18.8.1.2 is deleted.

v. Section 18.8.3 is amended to add the phrase "for dependent trailers" after the word "park" on line 1.

vi. Section 18.8.4 is amended to add the phrase "for dependent trailers" after the word "park" on line 1.

vii. Section 18.9 is deleted.

viii. Section 18.10 is deleted.

18. Appendix A, entitled "Sizing Storm Drainage Systems," shall be deleted in its entirety.

19. Appendix E of the plumbing subcode, entitled "Special Design Plumbing Systems," shall be amended as follows:

i. Section E.9.3, Rainfall Rates, shall be deleted and the following shall be inserted: "Rainfall rates shall be applied so that the applicable rainfall rates for Burlington and Ocean counties and all counties south, shall be six (6) inches per hour; for Mercer and Monmouth counties and all counties north, the applicable rainfall rate shall be five (5) inches per hour."

ii. Section E.9.4, Secondary Roof Drainage, shall be deleted.

§ 5:23-3.16 Electrical subcode

(a) Rules concerning the subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the National Fire Protection Association, known as "The National Electrical Code 2008" as the electrical subcode for New Jersey.

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i. Copies of this code may be obtained from the sponsors at NFPA, One Batterymarch Park, Quincy, Massachusetts 02269.

2. The National Electrical Code 2008 may be known and cited as "the electrical subcode."

i. Codes and standards referenced in the Fine Print Notes (FPNs) of the electrical subcode (NEC 2008) shall be considered adopted by reference to the extent prescribed by each related section. These codes and standards also are printed in DCA Bulletin #09-1, which contains a list of adopted codes and standards that are applicable to the enforcement of the electrical subcode.

3. The Commissioner hereby adopts the National Electrical Safety Code (ANSI C2-2007) for the installation of area lighting facilities by an electric utility on private property on metal poles with an underground electric feed.

i. Copies of the National Electrical Safety Code may be obtained from the Institute of Electrical and Electronic Engineers, Inc., PO Box 1331, 445 Hoes Lane, Piscataway, New Jersey 08855-1331.

(b) The following chapters or articles of the electrical subcode are amended as follows:

1. Article 90 of the electrical subcode, entitled "Introduction," is amended as follows:

i. Section 90.4, entitled "Enforcement," is amended to delete in the first paragraph the phrase, "authority having jurisdiction for enforcement of the code" and substitute in lieu thereof, the term "electrical subcode official." And add a new last sentence in the first paragraph: "Approval shall be in accordance with *N.J.A.C. 5:23-2.9*." Delete in the second paragraph the phrase "authority having jurisdiction" and substitute in lieu thereof the term "electrical subcode official" and add after "effective safety" the phrase "as provided in *N.J.A.C. 5:23-2.9*." Delete in the third paragraph the phrase "authority having jurisdiction" and substitute in lieu thereof the term "electrical subcode official" and delete the phrase "by the jurisdiction" after the word "adopted."

ii. Section 90.5, entitled "Mandatory Rules, Permissive Rules, and Explanatory Material," is amended to add "except as outlined under *N.J.A.C. 5:23-3.16(a)2i*" after the word "Code" in line 6 under paragraph (C).

2. Chapter 1 of the electrical subcode, Article 100, entitled "Definitions," is amended as follows:

i. The definition of the term "approved" is amended to delete the phrase "the authority having jurisdiction" and substitute in lieu thereof, the phrase "electrical subcode official. Approval shall be in accordance with *N.J.A.C. 5:23-3.7*, 3.8 and 3.8A."

ii. The definition of "Authority having jurisdiction" is replaced with "Unless otherwise specifically noted, the authority having jurisdiction for the Electrical Subcode shall be the Electrical Subcode Official."

iii. The definition of the term "building" is deleted and in lieu thereof, substitute the definition of the term "building" found in *N.J.A.C. 5:23-1.4*.

3. Chapter 2 of the electrical subcode, entitled "Wiring and Protection," is amended as follows:

i. Section 210.8 (A)(2) and (5) of Article 210, entitled Branch Circuits, is deleted; it is replaced by Section 210.8(A)(2) and (5) and the exceptions in the National Electrical Code 2005 as follows:

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"210.8(A)(2) - Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No. 1 to (2) - Receptacles that are not readily accessible.

Exception No. 2 to (2) - A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)7, or (A)(8).

Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).

210.8(A)(5) - Unfinished basements: For purposes of this section, unfinished basements are defined as portions or areas of the basement not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No. 1 to (5) - Receptacles that are not readily accessible.

Exception No. 2 to (5) - A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)7, or (A)(8).

Exception No. 3 to (5) - A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection."

4. Chapter 3 of the electrical subcode, entitled "Wiring Methods and Materials," is amended as follows:

i. Section 300.4(A)(1) is amended to delete the words from "so that the edge..." on line four through "... cannot be maintained" on line six and in lieu thereof substitute "as required by the building subcode. Where the distance from the edge of the hole to the nearest edge of the wood member is less than 32 mm (1 1/4 inches)."

ii. Section 334.10(1) is amended to add "and accessory buildings or structures" after the word dwellings.

iii. Section 334.12(A)(2) is deleted in its entirety.

iv. In Section 342.30, Intermediate Metal Conduit, "or permitted to be unsupported in accordance with 342.30.(C)" shall be deleted; in Section 344.30, Rigid Metal Conduit, "or permitted to be unsupported in accordance with 344.30.(C)" shall be deleted; in Section 352.30, Rigid Polyvinyl Chloride Conduit, "or permitted to be unsupported in accordance with 352.30.(C)" shall be deleted; in Section 355.30, Metallic Tubing Reinforced Thermosetting Resin Conduit, "or permitted to be unsupported in accordance with 355.30.(C)" shall be deleted; and in Section 358.30, Electrical Metallic Tubing, "or permitted to be unsupported in accordance with 358.30.(C)" shall be deleted.

v. Subsection (C) shall be deleted from each of the following sections: Section 342.30, Intermediate Metal Conduit, Section 344.30, Rigid Metal Conduit, Section 352.30, Rigid Polyvinyl Chloride Conduit, Section 355.30, Metallic Tubing Reinforced Thermosetting Resin Conduit, and Section 358.30, Electrical Metallic Tubing.

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5. Chapter 5 of the electrical subcode, entitled "Special Occupancies," is amended as follows:

i. Sections 514.11(B) and 514.11(C) are amended to delete the phrase "authority having jurisdiction" and substitute in lieu thereof the phrase "fire protection subcode official."

ii. Section 525.5(B) of Article 525, entitled Carnivals, Circuses, Fairs and Similar Events, is deleted; it is replaced by Section 525.5(B) in the National Electrical Code 2005 as follows:

"525.5(B) Clearances to Rides and Attractions. Amusement rides and amusement attractions shall be maintained not less than 4.5 m (15 ft) in any direction from overhead conductors operating at 600 volts or less, except for the conductors supplying the amusement ride or attraction. Amusement rides or attractions shall not be located under or within 4.5 m (15 ft) horizontally of conductors operating in excess of 600 volts."

iii. Part II of Article 550, entitled "Mobile Homes, Manufactured Homes, and Mobile Home Parks" comprising sections 550.11 through 550.25 is deleted. Section 550.10 shall be retained.

(1) Exception--Part II is retained in its entirety in the case of mobile/manufactured homes undergoing repair, renovation, or alteration.

iv. In Article 551, entitled "Recreation Vehicles and Recreation Vehicle Parks," delete from the title the words "Recreational Vehicles and."

(1) Parts II, III, IV, and V, comprising sections 551.20 through 551.60, are deleted in their entirety, with the exception of Figure 551.46(C), which shall be retained.

v. Article 552 shall be applicable to structures covered by the recreational park trailers subcode, *N.J.A.C. 5:23-4D*, provided that:

(1) The structure is restricted to seasonal use as per Section 552.4. For purposes of applying this requirement, the park in which the structure is located shall be open for six months or less each year or access to the structures shall be otherwise restricted to a period of six months or less each year; and

(2) No additions, alterations, or extensions of any kind shall be made to the electrical system or structure unless the entire electrical system shall be made to conform to the electrical requirements of this code applicable to single family dwellings.

6. Annex H of the electrical subcode, entitled "Administration and Enforcement," is deleted in its entirety.

7. Chapter 8 of the electrical subcode, entitled "Communication Systems," is amended as follows:

i. Section 800.156, entitled "Dwelling Unit Communications Outlet," is deleted in its entirety.

(c) A newly installed automatic lawn sprinkler system, where such systems are not prohibited by local ordinance, shall be equipped with an automatic rain sensor device or switch that will override the irrigation cycle of the automatic lawn sprinkler system when rainfall of more than one-half inch has occurred.

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§ 5:23-3.17 Fire protection subcode

(a) Rules concerning the subcode adopted are as follows:

1. Pursuant to the authority of P.L. 1975, c. 217 as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the following portions of the building, electrical, mechanical and fuel gas subcodes, to the extent delineated in *N.J.A.C. 5:23-3.4*, as the fire protection subcode for New Jersey.

i. International Building Code/2009 of the International Code Council, Inc. (*N.J.A.C. 5:23-3.14*):

(1) Chapter 3--Use and Occupancy Classification;

(2) Chapter 4--Special Detailed Requirements Based on Use and Occupancy;

(3) Chapter 7--Fire and Smoke Protection Features;

(4) Chapter 8--Interior Finishes;

(5) Chapter 9--Fire Protection Systems and *N.J.A.C. 5:23-3.5(d)* entitled "Posted Hydraulic System Data Plate";

(6) Chapter 10--Means of Egress;

(7) Sections 2111 through 2113 of Chapter 21--Masonry;

(8) Sections 2603 through 2613 of Chapter 26--Plastic;

(9) Section 3104 of Chapter 31--Special Construction;

(10) Section 3309, 3311 and 3312 of Chapter 33--Safeguards During Construction;

ii. National Electrical Code/2008 of the National Fire Protection Association (*N.J.A.C. 5:23-3.16*).

(1) Section 300.21 of Chapter 3--Wiring Methods and Materials;

(2) Article 450, Part III--Transformer Vaults of Chapter 4--Equipment for General Use;

(3) Chapter 5--Special Occupancies;

(4) Article 695--Fire Pumps of Chapter 6--Special Equipment;

(5) Article 760--Fire Alarm Systems of Chapter 7--Special Conditions;

iii. International Mechanical Code/2009 of the International Code Council (*N.J.A.C. 5:23-3.20*):

(1) Chapter 3--General Regulations;

(2) Chapter 5--Exhaust Systems;

(3) Chapter 6--Duct Systems;

(4) Chapter 7--Combustion Air;

(5) Chapter 8--Chimneys and Vents;

(6) Chapter 9--Specific Appliances, Fireplaces and Solid Fuel Burning Equipment;

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(7) Chapter 13--Fuel Oil Piping and Storage;

iv. International Fuel Gas Code/2009 of the International Code Council (*N.J.A.C. 5:23-3.22*):

(1) Chapter 3--General Regulations;

(2) Chapter 5--Chimneys and Vans;

(3) Chapter 6--Specific Appliances.

2. The model code portions listed above may be known as "the fire protection subcode."

(b) Rules concerning modifications to subcodes are as follows:

1. The modifications made to the appropriate portion of the adopted model code in *N.J.A.C. 5:23-3.14* (Building Subcode), *N.J.A.C. 5:23-3.16* (Electrical Subcode), *N.J.A.C. 5:23-3.20* (Mechanical Subcode) and *N.J.A.C. 5:23-3.22* (Fuel Gas Subcode) will apply also to those portions as regards this adoption.

§ 5:23-3.18 Energy Subcode

(a) Rules concerning the subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the International Code Council, known as the International Energy Conservation Code (IECC/2009), as the energy subcode for New Jersey.

i. Copies of the IECC/2009 may be obtained from International Code Council, 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.

ii. The model code listed above may be known and cited as the "energy subcode."

(b) The following chapters and sections of the energy subcode are amended as follows:

1. Chapter 1, Administration, shall be amended as follows:

i. Sections 101.1, Title, 101.2, Scope, and 101.3, Intent, shall be deleted.

ii. Section 101.4, Applicability, shall be deleted except for Subsection 101.4.6, Mixed Occupancy.

iii. Sections 103, Construction Documents, 104, Inspections, and 105, Validity, shall be deleted.

iv. Section 106.4, Other laws, shall be deleted.

v. Sections 107, Fees, 108, Stop Work Order, and 109, Board of Appeals, shall be deleted.

2. Chapter 2, Definitions, shall be amended as follows:

i. In Section 201.3, Terms defined in other codes, "ICC Electrical Code" and "International Plumbing Code" shall be deleted and "National Electrical Code" and "National Standard Plumbing Code" shall be inserted respectively.

ii. The definitions "Addition", "Alteration", "Building", "Code Official", "Dwelling Unit," and "Repair" shall be deleted.

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- iii. The definition of "Residential Building" shall be amended to add the text "and R-5" after R-3.
- 3. Chapter 3, Climate Zones, shall be amended as follows:
 - i. Section 303.3, Maintenance information, shall be deleted.
- 4. Chapter 4, Residential Energy Efficiency, shall be amended as follows:
 - i. Section 402.3.6, Replacement fenestration, shall be deleted.
 - ii. In Section 403.2.2, Sealing (Mandatory), the second paragraph "Effective January 1, 2013" shall be inserted before "Duct tightness."
 - iii. In Section 403.7, Systems serving multiple dwelling units (Mandatory), delete "Sections 503 and 504" and replace with "Chapters 6 and 7 of the 2007 ASHRAE/IESNA Standard 90.1".
- 5. Chapter 5, Commercial Energy Efficiency, shall be amended as follows:
 - i. At Section 501.1, Scope, the text shall be deleted and replaced with the following: "The requirements contained in this chapter shall be applicable to commercial buildings, or portions thereof. These commercial buildings shall meet the ASHRAE/IESNA Standard 90.1/2007, Energy Standard for Buildings Except for Low-Rise Residential Buildings."
 - ii. Section 501.2, Application, shall be deleted and replaced with "501.2 Amendments. The following amendments shall apply to ASHRAE/2007:
 - 1. Section 9.4.1.4 (c), shall have the following sentence added: "Guest suites shall have the option of a master control device meeting these requirements at the entry to each room."
 - 2. Chapter 8, Power, shall be considered optional.
 - iii. Section 502, Building Envelope Requirements, Section 503, Building Mechanical Systems, Section 504, Service Water Heating, Section 505, Electrical Power and Lighting Systems, and Section 506, Total Building Performance, shall be deleted in their entirety.
- 6. Chapter 6, Referenced Standards, shall be amended as follows:
 - i. In the ICC table, "ICC EC-06, ICC Electrical Code" and "IPC-06, International Plumbing Code" shall be deleted and "NEC-05*, National Electrical Code" and "NSPC-06**", National Standard Plumbing Code" shall be inserted respectively. In addition, at the bottom of the ICC table, "* NEC-05 is non-ICC and is published by National Fire Protection Association" and "** NSPC-06 is non-ICC and is published by the National Association of Plumbing-Heating-Cooling Contractors" shall be inserted.

§ 5:23-3.19 Manufactured home subcode

(a) Pursuant to authority of P.L. 1975, c.217, as amended, the Commissioner hereby adopts the Federal Manufactured Home Construction and Safety Standards, as set forth in Part 3280 of Title 24 of the Code of Federal Regulations, including all subsequent revisions and amendments thereto, as the manufactured home subcode for New Jersey.

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1. Copies of the volume of the Code of Federal Regulations containing Part 3280 of Title 24 may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20420.

2. Part 3280 of Title 24 of the Code of Federal Regulations, including all subsequent revisions and amendments thereto, may be known and cited as the manufactured home subcode.

(b) The following sections of Subpart A of Part 3280 are deemed to be administrative in nature and are therefore excluded from the manufactured home subcode:

1. Section 3280.1, entitled "Scope";
2. Section 3280.5, entitled "Data plate";
3. Section 3280.6, entitled "Serial number";
4. Section 3280.7, entitled "Modular homes"; and
5. Section 3280.8, entitled "Certification label".

(c) Any manufactured home construction or safety issue not covered under the manufactured home subcode which is, however, covered under another subcode adopted pursuant to this subchapter shall be determined in accordance with such other subcode.

(d) The adoption of a manufactured home subcode shall not be construed as in any way limiting the power or duty of the Department of Community Affairs to enforce and comply with all applicable provisions of the Federal Manufactured Housing Construction and Safety Standards Act of 1974 and the regulations promulgated pursuant thereto, including all subsequent revisions and amendments thereto, when authorized to do so by the Secretary of the United States Department of Housing and Urban Development.

§ 5:23-3.20 Mechanical subcode

(a) Rules concerning the subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, the Commissioner hereby adopts the model code of the International Code Council, Inc., known as the International Mechanical Code/2009. This code is hereby adopted by reference as the Mechanical Subcode for the State of New Jersey subject to the modifications in (b) below.

i. Copies of this code may be obtained from the International Code Council, 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.

ii. The International Mechanical Code/2009 may be known and cited as the "mechanical subcode."

2. Any references to the International Plumbing Code, the International Energy Conservation Code or the International Existing Building Code listed in Chapter 15 shall be considered a reference to the appropriate plumbing, or energy subcode in *N.J.A.C. 5:23-3* or the rehabilitation subcode in *N.J.A.C. 5:23-6*.

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3. Anywhere the term "code" appears, shall be a reference to "subcode" as defined in *N.J.A.C. 5:23-1.4* for any of the adopted national model codes as appropriate.

(b) The following chapters, sections or pages of the International Mechanical Code/2009 shall be amended as follows:

1. Chapter 1 of the mechanical subcode, entitled "Scope and Administration," is deleted in its entirety:

2. Chapter 2 of the mechanical subcode, entitled "Definitions," is amended as follows:

i. In Section 201.3, Terms defined in other codes, delete "International Plumbing Code," and insert "plumbing subcode."

ii. The definition of the term "alteration" is deleted.

iii. The definition of the term "approved" is deleted.

iv. The definition of the term "building" is deleted.

v. The definition of the term "code" is deleted.

vi. The definition of the term "code official" is deleted.

3. Chapter 3 of the mechanical subcode, entitled "General Regulations," shall be amended as follows:

i. Section 301.1, Scope, is amended to delete the words "in accordance with Section 101.2."

ii. Section 301.4, Listed and labeled, is amended to delete the words "in accordance with Section 105."

iii. In Section 301.8, Plumbing connections, delete "International Plumbing Code" and insert "plumbing subcode (*N.J.A.C. 5:23-3.15*)" in its place.

iv. Section 301.11 is deleted.

v. Add new section 301.16, Safety devices and controls, as follows:

"Oil burners, other than oil stoves with integral tanks, shall be provided with means for manually stopping the flow of oil to the burner. Such device or devices shall be placed in a readily accessible location a minimum of 10 feet from the burner. For electrically driven equipment, an identified switch in the burner supply circuit shall be provided at the entrance to the room or area where the appliance is located or, for equipment located in basements, the switch is required to be located at the top of stairs leading to the basement. An identifiable valve in the oil supply line, operable from a location a minimum of 10 feet from the burner shall be used for other than electrically driven or controlled equipment."

vi. Section 307.1, Fuel-burning appliances, shall be amended to insert "drywell, sump pump, floor drain, or drainage system below floor" after "fixture."

vii. Section 307.2.1, Condensate disposal, is amended to add the following after the word "disposal" on line 3: "in accordance with the plumbing subcode." In addition, the second sentence shall be deleted.

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viii. Section 307.2.2, Drain pipe materials and sizes, is deleted.

ix. Section 309, Temperature control, is deleted.

4. Chapter 5 of the mechanical subcode, entitled "Exhaust Systems," shall be amended as follows:

i. Section 503.1, General, is amended to replace the second sentence with the following: "The type and wiring methods for motors in areas that contain flammable vapors or dusts shall be in accordance with the electrical subcode."

ii. In Section 504.8, Common exhaust systems for clothes dryers located in multistory structures, item 7 is amended to add ", if provided," after the word "and".

iii. Section 512.1, General, is amended to add a sentence as follows: "This section shall not apply to radon construction techniques covered by subchapter 10 of the Uniform Construction Code."

5. Chapter 6 of the mechanical subcode, entitled "Duct Systems," is amended as follows:

i. Section 602.2.1, Materials in plenums, is amended to modify Exception 3 to read: "This section shall not apply to materials exposed within plenums in one-and two-family dwellings. Wire exposed in plenums of one-and two-family dwellings shall conform to the requirements of the electrical subcode."

ii. Section 602.2.1.1, Wiring, is deleted in its entirety and substitute the following language: "Wiring, cable and raceways installed in a plenum shall be listed and installed in accordance with the electrical subcode."

6. Chapter 8 of the mechanical subcode, entitled "Chimneys and Vents," shall be amended as follows:

i. In Section 801.18.2, Flue passageways, in the first sentence, "free of obstructions and combustible deposits" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

7. Chapter 10 of the mechanical subcode, entitled "Boilers, Water Heaters and Pressure Vessels," shall be amended as follows:

i. Section 1001.1, Scope, is amended to replace the words "installation, alteration, and repair of boilers," with the words "installation and alteration of boilers."

8. Chapter 11 of the mechanical subcode, entitled "Refrigeration," is amended as follows:

i. Section 1101.1, Scope, the word "repair" shall be deleted.

ii. Section 1102.2.2, Purity, is deleted.

iii. Add new Section 1103.1.1, Acceptable refrigerants, as follows: "Only refrigerants listed by the US Environmental Protection Agency (EPA), pursuant to the Significant New Alternatives Program (SNAP) under section 612 of the Clean Air Act Amendments, as acceptable substitutes for the particular use shall be permitted."

iv. Section 1109, Periodic testing, is deleted.

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9. Chapter 13 of the mechanical subcode, entitled "Fuel Oil Piping And Storage," is amended as follows:

i. Section 1301.2, Storage and piping systems, is amended to add the following sentence: "Where the tank is of a size and type that is subject to the Department of Environmental Protection rules for the installation of Underground Storage Tanks at *N.J.A.C. 7:14B*, those rules shall apply."

10. Chapter 15 of the mechanical subcode, entitled "Referenced Standards," shall be amended as follows:

i. Under the heading "ICC," amend the following titles:

- (1) Delete "IEBC--06, International Existing Building Code."
- (2) Delete "IPC--06, International Plumbing Code."

11. Appendix A of the mechanical subcode entitled "Combustion Air and Chimney Connector Pass-Throughs" is informative and is not part of the code.

12. Appendix B of the mechanical subcode entitled "Recommended Permit Fee Schedule," is deleted in its entirety.

(c) Single station carbon monoxide alarms shall be installed and maintained in full operating condition in the immediate vicinity of each sleeping area in any guestroom or dwelling unit located in a building of Group I-1, R-1, R-2, R-3, R-4, or R-5, if the building contains a fuel-burning appliance or has an attached garage. An "open parking structure," as defined in the building subcode, shall not be deemed to be an attached garage.

1. Exceptions: Guestrooms or dwelling units which do not themselves contain a fuel-burning appliance or have an attached garage, but which are located in a building with a fuel-burning appliance or an attached garage, need not be provided with single station carbon monoxide alarms provided that:

i. The guestroom or dwelling unit is located more than one story above or below any story which contains a fuel-burning appliance or an attached garage; the guestroom or dwelling unit is not connected by duct work or ventilation shafts to any room containing a fuel-burning appliance or to an attached garage; and the building is provided with a common area carbon monoxide alarm system. The individual alarms shall be located in every room adjacent to the room(s) containing a fuel-burning appliance, and in every corridor, hall or lobby adjacent to such room(s) and in the immediate vicinity of any ventilated shaft, including, but not limited to, stair shafts, elevator shafts, ventilation shafts on the story containing the fuel-burning appliance and any story within two stories above or below said story. All such common area alarm devices shall be connected to an alarm monitoring station or shall be interconnected; or

ii. The building is provided with a monitored carbon monoxide alarm system. Individual alarms shall be located in every room containing a fuel-burning appliance. All such alarms shall be connected to an alarm monitoring station that shall be staffed at all times by a person who is trained and qualified to respond so as to protect the health and safety of building occupants in the event of the activation of one or more alarms. Carbon monoxide alarms and fire alarms may be incorporated into a common monitored system.

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2. Carbon monoxide alarms shall be manufactured, listed and labeled in accordance with UL 2034 and shall be installed in accordance with the requirements of this section and NFPA 720. Carbon monoxide alarms shall be battery operated, hard-wired or of the plug-in type.

§ 5:23-3.20A (Reserved)

§ 5:23-3.21 One- and two-family dwelling subcode

(a) Rules concerning the subcode are adopted as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c.53, the Commissioner hereby adopts the model code of the International Code Council, 2009 International Residential Code known as the "IRC/2009" as the one-and two-family dwelling subcode in New Jersey subject to the modifications stated in (c) below.

i. Copies of this code may be obtained from the International Code Council at 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.

ii. The IRC/2009 may be known and cited as the one-and two-family dwelling subcode.

(b) The provisions of this subcode shall apply to the construction, alteration, repair, or increase in size of detached one-or two-family dwellings, or single family townhouses, of Group R-5 not more than three stories in height. For this purpose, a townhouse shall be as defined in Section 202 of the International Residential Code: "A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from foundation to roof and with open space on at least two sides."

(c) The following chapters or sections of the IRC/2009 shall be modified as follows:

1. Chapter 1, Scope and Administration, shall be deleted in its entirety. In addition, any referenced section of Chapter 1 shall be deleted throughout the code and "the administrative provisions of the Uniform Construction Code (*N.J.A.C. 5:23*)" shall be inserted.

2. Chapter 2, Definitions, shall be amended as follows:

i. The definition of "Addition" shall be deleted.

ii. The definition of "Alteration" shall be deleted.

iii. The definition of "Approved" shall be deleted and the following shall be inserted: "Approved refers to approval by the building subcode official or other authority having jurisdiction in accordance with the regulations."

iv. In the definition of "Approved Agency," "or other authority having jurisdiction in accordance with the Uniform Construction Code" shall be inserted after "Official."

v. The definition of "Attic, habitable" shall be deleted.

vi. The definitions of "Building" shall be deleted and the definition at *N.J.A.C. 5:23-3.14(b)2iv* shall be inserted.

vii. The definition of "Building, Existing" shall be deleted.

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- viii. The definition of "Building Line" shall be deleted.
- ix. The definition of "Building Official" shall be deleted.
- x. In the definition of "Dwelling Unit," "living as a single housekeeping unit" shall be inserted after "persons."
- xi. The definition of "Existing Installations" shall be deleted.
- xii. The definition of "Jurisdiction" shall be deleted.
- xiii. The definition of "Manufactured Home" shall be deleted.
- xiv. The definition of "Owner" shall be deleted and the definition at *N.J.A.C. 5:23-3.14(b)2viii* shall be inserted.
- xv. The definition of "Permit" shall be deleted.
- xvi. The definition of "Person" shall be deleted.
- xvii. In the definition of "Potable Water," "public health authority having jurisdiction" shall be deleted and "Public Health Drinking Water Standards or the regulations" shall be inserted.
- xviii. The definition of "Repair" shall be deleted.
- xix. The definition of "Structure" shall be deleted.

3. Chapter 3, Building Planning, shall be amended as follows:

i. Add new Section R300 as follows:

"R300 Height and Area Limitations. Buildings of VB, unprotected wood framed construction, as that term is defined in Section 602 of the building subcode, shall be not more than two stories, not more than 35 feet in height, and not more than 4,800 square feet in area per floor. For the purpose of applying this section, a habitable attic shall not constitute a story. A habitable attic shall be an attic that has a stairway as a means of access and egress and in which the ceiling area at a height of seven feet above the attic floor is not more than one-third the area of the next floor below.

R300.1 Increases in Height. The building shall be not more than three stories and not more than 55 feet in height where the building is equipped throughout with an automatic sprinkler system installed in accordance with the National Fire Protection Association (NFPA) Standard 13 or 13R and where the system is monitored by an approved supervising station in accordance with NFPA 72.

R300.2 Increases in area. The area of a building may be increased as provided in Sections R300.2.1 and Section R300.2.2 below.

R300.2.1 The area limitation shall be permitted to be increased 200 percent for one-and two-story buildings and 100 percent for buildings more than two stories in height where a building is equipped throughout with an automatic sprinkler system installed in accordance with NFPA Standard 13.

R300.2.2 The area limitation shall be permitted to be increased two percent for each one percent of excess frontage where a building has more than 25 percent of the building perimeter

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fronting on a street or other unoccupied space. The unoccupied space shall be on the same lot or dedicated for public use, shall be not less than 30 feet in width, and shall have access from a street by a posted fire lane that is not less than 18 feet in width.

R300.3 Buildings of VA construction. Buildings of VA, protected wood framed construction, as that term is defined in Section 602 of the building subcode, shall be not more than three stories, not more than 40 feet in height, and not more than 10,200 square feet in area per floor.

R300.3.1 Buildings of VA construction greater than three stories in height shall be designed and constructed in accordance with the building subcode.

R300.3.2 Buildings of VA construction shall be permitted to be increased in area in accordance with R300.2.

R300.4 Buildings of other types of construction: The height and area limits allowable for buildings of construction type VA shall apply to other construction types, as they are defined in Section 602 of the building subcode, provided that the fire ratings of building elements meet or exceed the requirements for type VA in Tables 601 and 602 of the building subcode.

ii. In Section R301.2.1.2, Protection of openings, in the first sentence, "and glass doors" shall be inserted after "Windows." In addition, in the exception, "in one-and two-story buildings" shall be deleted from the first sentence.

iii. Table R301.2(1), Climatic and Geographic Design Criteria, shall be amended as follows:

Table No. 301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA					
Ground Snow Load (lbs./sq. ft.)	Wind Speed (mph)	Seismic Design Category	Subject to Damage From Weathering	Frost Line Depth	Subject to Damage Termite
20	See Fig. R301.2(4)	N/A	Severe	2 feet-6 inches (Southern Area)	Moderate
See note 4			See note 1	3 feet-0 inches (Northern Area) See notes 2, 3 and 4	to Heavy

Notes:

1. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy structural requirements of this code. The grade of masonry units shall be determined from the ASTM C34, C55, C62, C73, C90, C129, C145, C216, or C625 listed in Chapter 43.

2. The frost line depth may require deeper footings than indicated in Section R403.1.4. The jurisdiction shall fill in the frost line depth column

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Table No. 301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA					
Ground Snow Load (lbs./sq. ft.)	Wind Speed (mph)	Seismic Design Category	Subject to Damage From Weathering	Frost Line Depth	Subject to Damage Termite

with minimum depth of footing below finished grade.

3. New Jersey is divided into two zones: Zone 1 consists of Monmouth and Burlington Counties and all counties to the south. Zone 2 consists of Mercer and Middlesex Counties and all counties to the north.

4. The enforcing agency having jurisdiction may establish values other than the ones listed for "ground snow load," and "frost line depth" if warranted by documented local climatic and geographic conditions."

iv. Section R301.2.1.5, Topographic wind effects, shall be deleted.

v. Section R301.2.2, Seismic provisions, shall be deleted in its entirety and the following shall be inserted: "Detached one- and two-family dwellings and attached single-family townhouses are exempt from the seismic requirements of this code." In addition, the exception shall be deleted in its entirety.

vi. In Table R301.5, Minimum Uniformly Distributed Live Loads, delete "Balconies (exterior) and" from the fourth row. Insert a new row below "Decks" with "Exterior Balconies" in the "Use" column and "60" in the "Live Load" column.

vii. In Section R302.2, Townhouses, in the first sentence of the exception, "1-hour" shall be deleted and "2-hour" shall be inserted. Additionally, in the second sentence of the exception, "Chapters 34 through 43" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

viii. In Section R302.2.4, Structural Independence, Item #5 shall be amended as follows: "1-hour" shall be deleted and "2-hour" shall be inserted.

ix. In Exception 1 of R302.3, Two-family dwellings, "13R, or 13D" shall be inserted after "NFPA 13."

x. Table R302.6, Dwelling/Garage Separation, shall be amended as follows: In the column entitled "Material" and the rows entitled "From all habitable rooms above the garage" and "Structure(s) supporting floor/ceiling assemblies used for separation required by this section," the text shall be deleted and "constructed with not less than a one-hour fire resistance rating (see N.J.U.C.C. FTO-13)" shall be inserted.

xi. In Section 302.13, Combustible Insulation Clearance, "Section N1102.4.5" shall be deleted and "the energy subcode (*N.J.A.C. 5:23-3.18*)" shall be inserted.

xii. Section R303.6, Stairway illumination, and Section R303.6.1, Light activation, shall be deleted in their entirety.

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- xiii. Section R303.8, Required heating, shall be deleted in its entirety.
- xiv. In Section R307.1, Space required, "Figure R307.1, and in accordance with the requirements of Section P2705.1" shall be deleted and "Figure 7.3.2 of the plumbing subcode, entitled 'Minimum Fixture Clearances'" shall be inserted. In addition, Figure R307.1 shall be deleted in its entirety.
- xv. In Section R310.1, Emergency escape and rescue required, "Basements, habitable attics and" shall be deleted. The sentence shall start with "Every." In addition, the exception shall be deleted in its entirety.
- xvi. In Section R311.3.1, Floor elevations at the required egress doors, in the Exception, "7 3/4 inches (196 mm)" shall be deleted and "8 1/4 inches (210 mm)" shall be inserted. Also, in Section R311.3.2, Floor elevations for other exterior doors, "7 3/4 inches (196 mm)" shall be deleted and "8 1/4 inches (210 mm)" shall be inserted.
- xvii. In Section R311.7.4.1, Riser height, in the first sentence, "7 3/4 inches (196 mm)" shall be deleted and "8 1/4 inches (210 mm)" shall be inserted.
- xviii. In Section R311.7.4.2, Tread depth, in the first sentence of the first paragraph, "10 inches (254 mm)" shall be deleted and "9 inches (229 mm)" shall be inserted. In addition, in the first sentence of the second paragraph, "10 inches (254 mm)" shall be deleted and "9 inches (229 mm)" shall be inserted.
- xix. In Section R311.7.7.1, Height, "34 inches (864 mm)" shall be deleted and "30 inches (762 mm)" shall be inserted.
- xx. Section R311.7.8, Illumination, shall be deleted in its entirety.
- xxi. In Section R311.8.3.1, Height, "34 inches (864 mm)" shall be deleted and "30 inches (762 mm)" shall be inserted.
- xxii. In Section R312.2, Height, in both exceptions, "34 inches (864 mm)" shall be deleted and "30 inches (762 mm)" shall be inserted.
- xxiii. Section R313.1, Townhouse automatic fire sprinkler system, shall be deleted. Section R313.1.1 shall be retained.
- xxiv. In Section R313.1.1, Design and installation, "or NFPA 13D" shall be inserted after "Section P2904".
- xxv. Section R313.2, One- and two-family dwellings automatic fire systems, shall be deleted. Section R313.2.1 shall be retained.
- xxvi. Section R314.3.1, Alterations, repairs and additions, shall be deleted in its entirety.
- xxvii. In Section R314.4, Power source, both exceptions shall be deleted.
- xxviii. Section 315.2, Where required in existing dwellings, shall be deleted.
- xxix. Section R319, Site address, shall be deleted in its entirety.
- xxx. Section R320, Accessibility, shall be deleted in its entirety.

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xxxi. Section R321, Elevators and platform lifts, shall be deleted in its entirety.

xxxii. In Section R322.1, General, "as established by Table R301.2(1)" shall be deleted.

xxxiii. In Section R322.1.6., Protection of mechanical and electrical systems, the second sentence shall be deleted in its entirety.

xxxiv. In Section R322.1.7, Protection of water supply and sanitary sewage systems, in the first and second sentences, "and replacement" shall be deleted. Also, in the second sentence, "the plumbing provisions of this code and Chapter 3 of the International Private Sewage Disposal Code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

xxxv. In Section R322.1.9, Manufactured homes, in the first sentence, "or replacement" and "and the anchor and tie-down requirements of Section AE604 and AE605 of Appendix E shall apply" shall be deleted.

xxxvi. In Section R322.3.1, Locations and site preparation, Item #1 shall be deleted and the Section R324.3.1 of the 2006 International Residential Code shall be inserted as follows: "1. Buildings and structures shall be located landward of the reach of mean high tide."

xxxvii. Section R322.3.6, Construction Documents, shall be deleted in its entirety.

xxxviii. Section R323, Storm Shelters, shall be deleted.

4. Chapter 4, Foundations, shall be amended as follows:

i. In Section R401.1, Application, "as established by Table R301.2(1)" shall be deleted.

ii. In Table R401.4.1, Presumptive Load Bearing Values of Foundation Materials, "12,000; 4,000; 3,000; 2,000; and 1,500" shall be deleted and "12,000; 6,000; 5,000; 3,000; and 2,000" shall be inserted.

iii. Section R403.1.4, Minimum depth, shall have the following exceptions added:

"Exceptions:

1. Accessory garden-type utility sheds and similar structures that are 100 square feet or less in area, 10 feet or less in height and does not contain a water, gas, oil or sewer connection. These structures shall be of sufficient weight to remain in place or shall be anchored to the ground.

2. Accessory garden-type utility sheds and similar structures that are greater than 100 square feet, but not more than 200 square feet in area, and 10 feet or less in height, provided the shed is dimensionally stable without the foundation system and does not contain a water, gas, oil or sewer connection. A shed shall be considered dimensionally stable if it is provided with a floor system that is tied to the walls of the structure such that it reacts to loads as a unit. These structures shall be of sufficient weight to remain in place or shall be anchored to the ground."

iv. In Section R403.1.4.1, Frost protection, the exception shall be deleted and the following shall be inserted:

Exception: Free standing buildings meeting all of the following conditions shall not be required to be protected:

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1. Buildings and other structures that represent a low hazard to human life in the event of failure, including but not limited to, agricultural buildings, temporary buildings and minor storage facilities.

2. Area of 600 square feet (56 m²) or less for light framed construction, or 400 square feet (37 m²) or less for other than light-framed construction; and

3. Eave height of 10 feet (3048 mm) or less.

v. In Section R403.3.3, Drainage, "Table R405.1" shall be deleted and "Table R406.1" shall be inserted.

vi. In Section 404.2.5, Drainage and dampproofing, delete "Sections R405 and R406, respectively." and insert "Section R406."

vii. In Table R404.1.1(1), Note B; Table R404.1.1(2), Note D; Table R404.1.1(3), Note D; Table R404.1.1(4), Note D; Table R404.1.2(2), Note A; Table R404.1.2(3), Note A; Table R404.1.2(4), Note A; Table R404.1.2(5), Note A; Table R404.1.2(6), Note A; Table R404.1.2(7), Note A; and Table R404.1.2(8), Note A, "Table R405.1" shall be deleted and "Table R406.1" shall be inserted.

viii. Sections R405, Foundation Drainage, with the exception of Table R405.1, which shall be renumbered as "Table R406.1", and R406, Foundation Waterproofing and Dampproofing, shall be deleted and the text of Section 1807, Dampproofing and Waterproofing from the International Building Code (IBC)/2006 shall be inserted as follows:

"R406.1 Where required. Walls or portions thereof that retain earth and enclose interior spaces and floors below grade shall be waterproofed and dampproofed in accordance with this section, with the exception of those spaces containing groups other than residential and institutional where such omission is not detrimental to the building or occupancy.

R406.1.1 Story above grade. Where a basement is considered a story above grade and the finished ground level adjacent to the basement wall is below the basement floor elevation for 25 percent or more of the perimeter, the floor and walls shall be dampproofed in accordance with Section R406.2 and a foundation drain shall be installed in accordance with Section R406.4.1. The foundation drain shall be installed around the portion of the perimeter where the basement floor is below ground level. The provisions of Sections R406.3 and R406.4.1 shall not apply in this case.

R406.1.2 Underfloor space. The finished ground level of an underfloor space such as a crawl space shall not be located below the bottom of the footings. Where there is evidence that the ground water table rises to within six inches (152 mm) of the ground level at the outside building perimeter or where there is evidence that the surface water does not readily drain from the building site, the ground level of the underfloor space shall be as high as the outside finished ground level, unless an approved drainage system is provided. The provisions of Sections R406.2, R406.3 and R406.4 shall not apply in this case.

R406.1.2.1 Flood hazard areas. For buildings and structures in flood hazard areas as established in Section R322, the finished ground level of an underfloor space such as a crawl space shall be equal to or higher than the outside finished ground level.

Exception: Under-floor spaces that meet the requirements of FEMA/FIA-TB-11.

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R406.1.3 Groundwater control. Where the groundwater table is lowered and maintained at an elevation not less than 6 inches (152 mm) below the bottom of the lowest floor, the floor and walls shall be dampproofed in accordance with Section R406.2. The design of the system to lower the groundwater table shall be based on accepted principles of engineering that shall consider, but not necessarily be limited to, permeability of the soil, rate at which water enters the drainage system, rated capacity of pumps, head against which pumps are to pump; and the rated capacity of the disposal area of the system.

R406.2 Dampproofing required. Where hydrostatic pressure will not occur, floors and walls for other than wood foundation systems shall be dampproofed in accordance with this section. Wood foundation systems shall be constructed in accordance with AFPA TR7.

R406.2.1 Floors. Dampproofing materials for floors shall be installed between the floor and the base course required by Section R406.4.1, except where a separate floor is provided above a concrete slab.

Where installed beneath the slab, dampproofing shall consist of not less than six-mil (0.006 inch; 0.152 mm) polyethylene with joints lapped not less than six inches (152 mm), or other approved methods or materials. Where permitted to be installed on top of the slab, dampproofing shall consist of mopped-on bitumen, not less than four-mil (0.004 inch; 0.102 mm) polyethylene, or other approved methods or materials. Joints in the membrane shall be lapped and sealed in accordance with the manufacturer's installation instructions.

R406.2.2 Walls. Dampproofing materials for walls shall be installed on the exterior surface of the wall, and shall extend from the top of the footing to above ground level.

Dampproofing shall consist of a bituminous material, three pounds per square yard (16N/m²) of acrylic modified cement, 1/8-inch (3.2 mm) coat of surface-bonding mortar complying with ASTM C 887, any of the materials permitted for waterproofing by Section R406.3.2, or other approved methods or materials.

R406.2.2.1 Surface preparation of walls. Prior to application of dampproofing materials on concrete walls, holes and recesses resulting from the removal of form ties shall be sealed with a bituminous material or other approved methods or materials. Unit masonry walls shall be parged on the exterior surface below ground level with not less than 3/8 inch (9.5 mm) of Portland cement mortar. The parging shall be coved at the footing.

Exception: Parging of unit masonry walls is not required where a material is approved for direct application to the masonry.

R406.3 Waterproofing required. Where the groundwater investigation indicates that a hydrostatic pressure condition exists, and the design does not include a groundwater control system as described in Section R406.1.3, walls and floors shall be waterproofed in accordance with this section.

R406.3.1 Floors. Floors required to be waterproofed shall be of concrete, designed and constructed to withstand the hydrostatic pressures to which the floors will be subjected.

Waterproofing shall be accomplished by placing a membrane of rubberized asphalt, butyl rubber, or not less than six-mil polyvinyl chloride with joints lapped not less than six inches (152

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mm) or other approved materials under the slab. Joints in the membrane shall be lapped and sealed in accordance with the manufacturer's installation instructions.

R406.3.2 Walls. Walls required to be waterproofed shall be of concrete or masonry and shall be designed and constructed to withstand the hydrostatic pressures and other lateral loads to which the walls will be subjected.

Waterproofing shall be applied from the bottom of the wall to not less than 12 inches (305 mm) above the maximum elevation of the ground water table. The remainder of the wall shall be dampproofed in accordance with Section R406.2.2. Waterproofing shall consist of two-ply hot-mopped felts, not less than six-mil (0.006 inch; 0.152 mm) polyvinyl chloride, 40-mil (0.040 inch; 1.02 mm) polymer-modified asphalt, six-mil (0.006 inch; 0.152 mm) polyethylene or other approved methods or materials capable of bridging nonstructural cracks. Joints in the membrane shall be lapped and sealed in accordance with the manufacturer's installation instructions.

R406.3.2.1 Surface preparation of walls. Prior to the application of waterproofing materials on concrete or masonry walls, the walls shall be prepared in accordance with Section R406.2.2.1.

R406.3.3 Joints and penetrations. Joints in walls and floors, joints between the wall and floor, and penetrations of the wall and floor shall be made watertight utilizing approved methods and materials.

R406.4 Subsoil drainage system. Where a hydrostatic pressure condition does not exist, dampproofing shall be provided and a base shall be installed under the floor and a drain installed around the foundation perimeter. A subsoil drainage system designed and constructed in accordance with Section R406.1.3 shall be deemed adequate for lowering the groundwater table.

R406.4.1 Floor base course. Floors of basements, except as provided for in Section R406.1.1, shall be placed over a floor base course not less than four inches (102 mm) in thickness that consists of gravel or crushed stone containing not more than 10 percent of material that passes through a No. 4 (4.75 mm) sieve.

Exception: Where a site is located in well-drained gravel or sand/gravel mixture soils, a dedicated drainage system is not required.

R406.4.2 Foundation drain. A drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 (4.75 mm) sieve. The drain shall extend a minimum of 12 inches (305 mm) beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than six inches (152 mm) above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or the top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than two inches (51 mm) of gravel or crushed stone complying with Section R406.4 and shall be covered with not less than six inches (152 mm) of the same material.

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R406.4.3 Drainage discharge. The floor base and foundation perimeter drain shall discharge by gravity or mechanical means into an approved drainage system that complies with the plumbing subcode.

Exception: Where a site is located in well-drained gravel or sand/gravel mixture soils, a dedicated drainage system is not required."

R406.4.4 Precast concrete foundations. Precast concrete walls that retain earth and enclose habitable or useable space located below grade that rest on crushed stone footings shall have a perforated drain pipe installed below the base of the wall on either the interior or the exterior side of the wall, at least one foot (305 mm) beyond the edge of the wall. If the exterior drainage pipe is used, an approved filter membrane material shall cover the pipe. The drainage system shall discharge into an approved drainage system that complies with the plumbing subcode."

ix. At Section R407.3, Structural requirements, in the exception, delete the phrase "In Seismic Design Categories A, B, and C" at the beginning of the sentence.

x. In Section R408.3, Unvented crawl space, in Condition 2.1 and Condition 2.2, "Section N1102.2.9" shall be deleted and "the energy subcode (*N.J.A.C. 5:23-3.18*)" shall be inserted.

xi. In Section R408.7, Flood resistance, "as established by Table R301.2(1)" shall be deleted.

5. Chapter 5, Floors, shall be amended as follows:

i. In Section R502.11.4, entitled "Truss Design Drawings," the second sentence shall be amended to insert "and truss layout drawings" after "Truss design drawings."

ii. New Section R502.11.5, entitled "Truss Identification," shall be inserted as follows: "Each truss shall be labeled or otherwise indelibly marked at the factory with the individual truss number as assigned in the truss layout plan. The indelible marking or label shall be located on the bottom chord of the truss, inside the bearing points. When indelible markings are used, each digit shall be not less than one inch high. When labels are used, the label shall be a minimum of five inches by three inches and shall be affixed to the truss by a truss plate. Labels shall remain affixed to the truss."

iii. In Section R506.2.2, Base, in the exception, "Table R405.1" shall be deleted and "Table R406.1" shall be inserted.

6. Chapter 6, Wall Construction, shall be amended as follows:

i. In Figure R602.6.1, Notching and Bored Hole Limitations for Exterior Walls and Bearing Walls, "eight 10d nails" shall be deleted and "three-8d nails" shall be inserted.

ii. In Section R602.6.1, Drilling and notching of top plate, "eight 10d (0.148 inch diameter)" shall be deleted and "three-8d" shall be inserted.

iii. Section R606.1.1, Professional registration not required, shall be deleted.

iv. In Section R611.1, General, the second sentence shall be deleted.

7. Chapter 8, Roof-Ceiling Construction, shall be amended as follows:

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i. In Section R802.10.1, entitled "Truss Design Drawings," the third sentence shall be amended to insert "and truss layout drawings" after "Truss design drawings."

ii. New Section 802.10.6, entitled "Truss Identification," shall be inserted as follows: "Each truss shall be labeled or otherwise indelibly marked at the factory with the individual truss number as assigned in the truss layout plan. The indelible marking or label shall be located on the bottom chord of the truss, inside the bearing points. When indelible markings are used, each digit shall be not less than one inch high. When labels are used, the label shall be a minimum of five inches by three inches and shall be affixed to the truss by a truss plate. Labels shall remain affixed to the truss."

8. Chapter 9, Roof Assemblies, shall be amended as follows:

i. In Section R903.4.1, Overflow drains and scuppers, in the last sentence, "International Plumbing Code" shall be deleted and "plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted in its place.

ii. In Sections 905.2.7.1, 905.4.3.1, 905.5.3.1, 905.6.3.1, 905.7.3.1 and 905.8.3.1 in the first sentence, delete "In areas where there has been a history of ice forming along the eaves causing a back-up of water as designated in table R301.2(1)", and "In areas where the average daily temperature in January is 25[degrees]F (-4[degrees]C) or less," shall be inserted.

9. Chapter 10, Chimneys and Fireplaces, shall be amended as follows:

i. In Section R1001.11, Fireplace clearance, Exception 3, "12 inches" shall be deleted and "six inches" shall be inserted.

ii. In Section R1003.18, Chimney clearances, Exception 3, "12 inches" shall be deleted and "six inches" shall be inserted.

iii. In Figure R1003.18, Clearance from Combustibles, "12 IN." shall be deleted and "6 IN." shall be inserted.

10. Chapter 11, Energy Efficiency, shall be deleted in its entirety.

11. Chapter 12, Mechanical Administration, shall be amended as follows:

i. Section M1202, Existing mechanical systems, shall be deleted in its entirety.

12. Chapter 13, General Mechanical System Requirements, shall be amended as follows:

i. In Section M1305.1.3.1, Electrical requirements, "Chapter 39" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

ii. In Section M1305.1.4.3, Electrical requirements, "Chapter 39" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

iii. Section M1307.4, Hydrogen generating and refueling operations, shall be deleted in its entirety and the following shall be inserted:

M1307.4 Hydrogen generating and refueling operations. The installation of hydrogen fuel cell systems shall be installed in accordance with the applicable requirements of the International Fire

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Code, the International Building Code, the International Mechanical Code and the International Fuel Gas Code.

iv. In Section 1307.5, Electrical appliances, "and 34 through 43" shall be deleted and "and the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted at the end of the sentence.

v. Section M1307.6, Plumbing Connections, "Chapters 29 and 30" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted in its place.

vi. Add new Section M1307.7 as follows:

M1307.7 Safety devices and controls. Oil burners, other than oil stoves with integral tanks, shall be provided with means for manually stopping the flow of oil to the burner. Such device or devices shall be placed in a readily accessible location a minimum of 10 feet from the burner. For electrically driven equipment, an identified switch in the burner supply circuit shall be provided at the entrance to the room or area where the appliance is located or, for equipment located in basements, the switch is required to be located at the top of stairs leading to the basement. An identifiable valve in the oil supply line, operable from a location a minimum of 10 feet from the burner, shall be used for other than electrically driven or controlled equipment.

13. Chapter 14, Heating and Cooling Equipment, shall be amended as follows:

i. Chapter M1401.3, Sizing, "When provided," shall be inserted at the beginning of the sentence.

ii. In Section M1405.1, General, "Chapters 34 through 43 of this code" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

iii. In Section M1406.1, General, "Chapters 34 through 43 of this code" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

iv. In Section M1406.2, Clearances, "Chapters 34 through 43 of this code" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

v. In Section M1407.1, General, "Chapters 34 through 43 of this code" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

vi. In Section M1411.3, Condensate disposal, in the first sentence, "in accordance with the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted after "disposal."

vii. Section M1411.3.2, Drain pipe materials and sizes, shall be deleted in its entirety.

viii. In Section M1413.2, Protection of potable water, "Section P2902" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

14. Chapter 18, Chimney and Vents, shall be amended as follows:

i. In Section M1801.3.2, Flue passageways, in the first sentence, "free of obstructions and combustible deposits" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

15. Chapter 20, Boilers/Water Heaters, shall be amended as follows:

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i. In Section M2004.1, General, "Chapter 28" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

ii. In Section M2005.3, Electric water heaters, "Chapters 34 through 43" shall be deleted and "the electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

16. Chapter 21, Hydronic Piping, shall be amended as follows:

i. In Section M2101.2, System drain down, "Chapters 25 through 32 of this code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

ii. In Section M2101.3, Protection of potable water, "Section P2902" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

17. Chapter 22, Special Piping and Storage Systems shall be amended as follows:

i. In Section M2201.2, Above-ground tanks, in the first sentence and in the exception, "above ground or" shall be deleted and "residential" shall be inserted before "building."

18. Chapter 23, Solar Systems, shall be amended as follows:

i. In Section M2301.5, Backflow protection, "Section P2902" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

19. Chapter 24, Fuel Gas, shall be amended as follows:

i. In Section G2402.3, Terms defined in other codes, "International Building Code, International Fire Code, and International Plumbing Code" shall be deleted and "electrical, building, fire protection, and plumbing subcodes" shall be inserted.

ii. Section G2403, entitled "General Definitions" shall be amended as follows:

(1) The definition of "approved" shall be deleted.

(2) The definition of "code" shall be deleted.

(3) The definition of "code official" shall be deleted and the following shall be inserted: "For the purpose of this subcode, the term 'code official' shall mean the appropriate subcode official as required by *N.J.A.C. 5:23-3.4*."

iii. In Section G2404.3, Listed and labeled, in the first sentence, "Section R104.11" shall be deleted and "*N.J.A.C. 5:23-3.7*" shall be inserted. In addition, the last sentence shall be deleted.

iv. Section G2404.5, Repair, shall be deleted in its entirety.

v. In Section G2408.1, General, the second paragraph shall be deleted in its entirety.

vi. In Section G2410.2, Connections, "Chapters 34 through 43" shall be deleted and "the Electrical subcode (*N.J.A.C. 5:23-3.16*)" shall be inserted.

vii. Section G2412.2, Liquefied petroleum gas storage, shall be amended as follows: Notwithstanding the provisions contained in NFPA 58, the installation of LP-Gas containers on roofs of buildings shall be strictly prohibited.

viii. Section G2412.3, Modifications to existing system, shall be deleted in its entirety.

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ix. Add new Section G2412.9 as follows:

G2412.9 (401.9) Protection from vehicle impact. Gas meters, related regulators and piping that are installed indoors or outdoors and are subject to vehicle impact shall be protected by barriers meeting the requirements of Section 312 of the International Fire Code. For the purpose of applying this provision, "subject to vehicle impact" shall mean located within three feet of any garage door opening, driveway or designated parking area and not separated by a building wall from the space where a vehicle may be operated.

Exception: If verification of the installation of an excess flow valve is provided by the gas utility, vehicle impact barriers shall not be required.

x. In Section G2413.6.1, Liquefied petroleum gas systems, insert the following at the beginning of the section: "The operating pressure for undiluted LP-gas systems shall not exceed 20 psig (140 kPa gauge)."

xi. Section G2414.3, Other materials, shall be deleted in its entirety.

xii. In Section G2425.15.2, Flue passageways, in the first sentence, "free of obstructions and combustible deposits" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

xiii. In Section G2427.5.5, Inspection of chimneys, "examined to ascertain that it is clear and free of obstructions" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

xiv. In Section G2448.1.1, Installation requirements, "this code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

xv. In Section G2448.2, Water heaters utilized for space heating, "this code" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

20. Chapters 25 through 28 shall be deleted in their entirety. Plumbing requirements under the scope of this subcode shall be regulated by the plumbing subcode.

21. Chapter 29, Water Supply and Distribution, shall be deleted except P2904, Multi-purpose fire sprinkler systems.

i. Section P2904 shall be amended as follows:

(1) In Section P2904.1, General, the last sentence shall be deleted and "A backflow flow preventer shall be required to separate a stand-alone sprinkler system from the water distribution system in accordance with the plumbing subcode (*N.J.A.C. 5:23-3.15*)."

(2) In Section P2904.2.3, Freezing areas, "Section P2603.6" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

(3) In Section P2904.8.1, Preconcealment Inspection, item 8, "Section P2503.7" shall be deleted and "the plumbing subcode (*N.J.A.C. 5:23-3.15*)" shall be inserted.

22. Chapters 30 through 33 shall be deleted in their entirety. Plumbing requirements under the scope of this subcode shall be regulated by the plumbing subcode.

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23. Chapters 34 through 43 shall be deleted in their entirety. Electrical requirements under the scope of this subcode shall be regulated by the electrical subcode.

24. Chapter 44, Referenced standards, shall be amended as follows:

i. Under the subheading, NFPA, "NFPA 13R-07, Installation of Sprinkler Systems in Residential Occupancies Up To and Including Four Stories in Height" shall be inserted.

25. The Appendices shall be amended as follows:

i. Appendix A, Sizing and Capacities of Gas Piping; Appendix B, Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed for Use with Type B Vents; and Appendix C, Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems are informative and are not part of the one- and two-family dwelling subcode.

ii. Appendix D, Recommended Procedure for Safety Inspection of an Existing Appliance Installation; Appendix E, Manufactured Housing Used as Dwellings; and Appendix F, Radon Control Methods, are deleted in their entirety.

iii. In Appendix G, Section AG105.1, Application, "subject to this code" shall be inserted at the end of the first sentence.

iv. Appendix G, Swimming pools, Spas and hot tubs, shall be adopted as part of this subcode and Section AG105.2, Outdoor swimming pool, Provision 9 shall be deleted in its entirety. In the same section, under Provision 10, Item 10.1 shall be deleted. In addition, the last sentence in Item 10.2 shall be deleted. Also, Section AG105.3, Indoor swimming pool, "Item 9" shall be deleted and "Items 1 through 7" shall be inserted.

v. Appendix H, Patio Covers, and Appendix K, Sound Transmission, shall be adopted as part of this subcode.

vi. Appendix I, Private Sewage Disposal; Appendix J, Existing Buildings and Structures; Appendix L, Permit Fees; Appendix M, Home Day Care - R-3 Occupancy; Appendix N, Venting Methods; Appendix O, Gray Water Recycling Systems; Appendix P, Sizing of Water Piping Systems; and Appendix Q, ICC International Residential Code Electrical Provisions/National Electrical Code Cross-Reference, shall be deleted in their entirety.

§ 5:23-3.22 Fuel gas subcode

(a) Rules concerning the subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, the Commissioner hereby adopts the model code of the International Code Council, Inc., known as the International Fuel Gas Code/2009. This code is hereby adopted by reference as the fuel gas subcode for the State of New Jersey subject to the modifications in (b) below.

i. Copies of this code may be obtained from the International Code Council, 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.

ii. The International Fuel Gas Code/2009 may be known and cited as the "fuel gas subcode."

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2. Any references to the International Plumbing Code or the International Existing Building Code listed in Chapter 8 shall be considered a reference to the appropriate plumbing subcode in *N.J.A.C. 5:23-3* or rehabilitation subcode in *N.J.A.C. 5:23-6*.

3. Anywhere the term "code" appears, shall be a reference to "subcode" as defined in *N.J.A.C. 5:23-1.4* for any of the adopted national model codes as appropriate.

(b) The following chapters, sections or pages of the International Fuel Gas Code/2009 shall be amended as follows:

1. Chapter 1 of the fuel gas subcode, entitled "Scope and Administration," is deleted in its entirety.

2. Chapter 2 of the fuel gas subcode, entitled "Definitions," is amended as follows:

i. In Section 201.3, Terms defined in other codes, delete "International Plumbing Code," and insert "the plumbing subcode."

ii. The definition of the term "alteration" is deleted;

iii. The definition of the term "approved" is deleted;

iv. The definition of the term "code" is deleted;

v. The definition of the term "code official" is deleted.

vi. The definition of the term "unlisted boiler" is deleted.

3. Chapter 3 of the fuel gas subcode, entitled "General Regulations," shall be amended as follows:

i. Section 301.1, Scope, is amended to delete the words "in accordance with Section 101.2."

ii. In Section 301.3, Listed and labeled, "in accordance with Section 105," shall be deleted. In addition, the second sentence shall be deleted in its entirety.

iii. Section 301.9, Repair, is deleted.

iv. Section 305.1, General, delete the second paragraph in its entirety.

v. Section 307.1, Evaporators and cooling coils, delete "International Mechanical Code" and insert "plumbing subcode (*N.J.A.C. 5:23-3.15*)."

vi. Section 307.2, Fuel-burning appliances, shall be amended to insert "drywell, sump pump, floor drain, or drainage system below floor" after "fixture."

vii. Section 307.3, Drain pipe materials and sizes, shall be deleted.

4. Chapter 4 of the fuel gas subcode, entitled "Gas Piping Installation," shall be amended as follows:

i. Section 401.2, Liquefied petroleum gas storage, shall be amended to add the following: Notwithstanding the provisions contained in NFPA 58, the installation of LP-Gas containers on roofs of buildings shall be strictly prohibited.

ii. Add new Section 401.9 as follows:

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401.9 Protection from vehicle impact. Gas meters, related regulators and piping that are installed indoors or outdoors and are subject to vehicle impact shall be protected by barriers meeting the requirements of Section 312 of the International Fire Code. For the purpose of applying this provision, "subject to vehicle impact" shall mean located within three feet of any garage door opening, driveway or designated parking area and not separated by a building wall from the space where a vehicle may be operated.

(1) Exception: If verification of the installation of an excess flow valve is provided by the gas utility, vehicle impact barriers shall not be required.

iii. In Section 402.6.1, Liquefied petroleum gas systems, insert the following at the beginning of the section: "The operating pressure for undiluted LP-gas systems shall not exceed 20 psig (140 kPa gauge)."

iv. Section 403.3, Other materials, is deleted.

5. Chapter 5 of the fuel gas code, entitled "Chimneys and vents," shall be amended as follows:

i. In Section 501.15.2, Flue passageways, in the first sentence, "free of obstructions and combustible deposits" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

ii. In Section 503.5.6, Inspection of chimneys, "examined to ascertain that it is clear and free of obstructions" shall be deleted and "inspected in accordance with the chimney certification program as provided for in *N.J.A.C. 5:23-2.20(d)*" shall be inserted.

iii. In Section 503.5.6.1, Chimney lining, the exception shall be deleted in its entirety.

6. Chapter 6 of the fuel gas code, entitled "Specific Appliances," shall be amended as follows:

i. In Section 614.8, Common exhaust systems for clothes dryers located in multistory structures, item 7, insert ", if provided," after the word "and".

ii. Section 627.10, Switches in electrical supply line, shall be deleted.

7. Chapter 8 of the fuel gas code, entitled "Referenced Standards," shall be amended as follows:

i. Under the heading "ICC," amend the following titles:

(1) Delete "IEBC--06, International Existing Building Code."

(2) Delete "IPC--06, International Plumbing Code."

8. Appendices A, B, and C of the fuel gas subcode are informative and are not part of the subcode itself.

9. Appendix D of the fuel gas subcode, entitled "Recommended Procedure for Safety Inspection of an Existing Appliance Installation," is deleted in its entirety.

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APPENDIX 3-A

APPENDIX
NEW JERSEY DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
CODE CHANGE PROPOSAL
REHABILITATION SUBCODE (N.J.A.C. 5:23-6)

Proposals must be presented with language proposed for deletion in brackets
[].
Proposals must be presented with language proposed for addition underlined:

Mail code change proposals to:
Code Development Unit
Department of Community Affairs
Division of Codes and Standards
PO Box 802
Trenton, New Jersey 08625

Fax code change proposals to:
Code Development Unit
(609) 984-7717 or
(609) 633-6729

Direct questions to the Code Development or Code Assistance Units at (609)
984-7609.

Section (citation) proposed for change:
Sections (companion changes) that might also need to be changed:

.....
NAME:
ORGANIZATION (if any):
ADDRESS:
.....
TELEPHONE: FAX: E-mail:

Proposed Code Change:
.....
.....
.....
.....

Supporting Statement (reason for code change):
.....
.....
.....
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